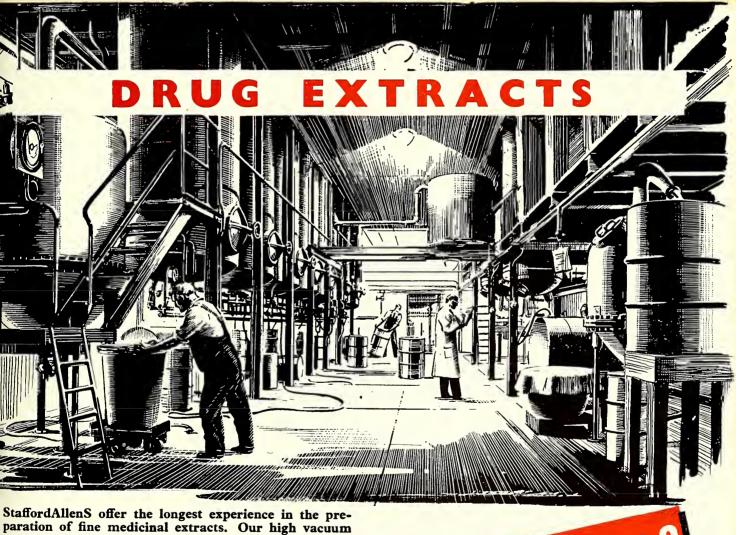
CHEMISTAND DRUGGIST

For Retailer, Wholesaler and Manufacturer

APRIL 9 1955



paration of fine medicinal extracts. Our high vacuum concentration process ensures full therapeutic activity. We manufacture liquid, granulated, powdered and standardized extracts; also concentrated extracts for the preparation of tinctures, infusions, liquid extracts, decoctions, confections, etc., etc.

May we quote you for your requirements?

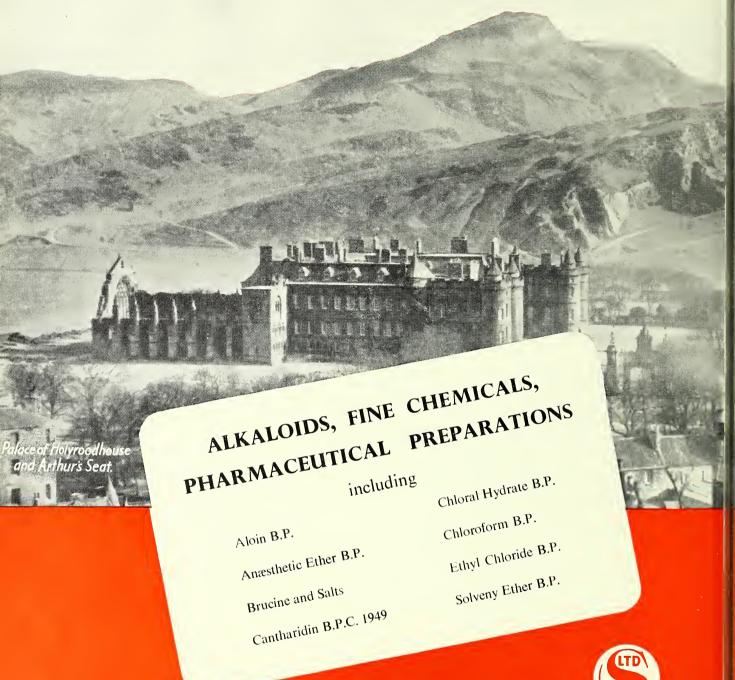
STAFFORD ALLEN & SONS LIMITED

WHARF ROAD, LONDON, N.I.

Telephone: CLErkenwell 1000



Famous the world over



Manufactured by
T.&H. SMITH LTD.

Blandfield Chemical Works.
EDINBURGH



The virtue of ergot in obstetrics was known at least as early as the 16th century in Europe. This knowledge was remembered only by midwives in the new world. At the beginning of the 19th century John Stearns heard the tale in Massachusetts, and brought the drug to the official cognizance of the medical profession.

The valuable therapeutic properties of ergot for obstetrics are now most suitably available in the pharmaceutically elegant form of ERGOMETRINE. Burroughs Wellcome & Co., who issued the first commercial ergometrine, supply it on favourable terms and in any quantity.

Ergometrine, one of the

B.W. & CO. FINE CHEMICALS

BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

ASSOCIATED HOUSES: NEW YORK · MONTREAL · SYDNEY · CAPE TOWN · BOMBAY · BUENOS AIRES · CAIRO · DUBLIN · AUCKLAND

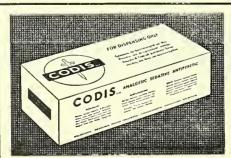
Codeine phosphate + phenacetin + soluble aspirin



THE ASPIRIN CONTAINED IN "CODIS" forms calcium aspirin immediately the tablet is dissolved in water.

Codis offers, therefore, all the well-known therapeutic properties of Tab. Codein. Co. B.P. In addition, Codis greatly diminishes the chance of gastric upset caused by undissolved particles of ordinary aspirin contained in Tab. Codein. Co. B.P.

This considerable benefit that Codis brings is being continually made known to doctors, and sampling facilities are available to them.



COMPOSITION

Each Codis tablet contains:—Acid. Acetylsalicyl. B.P. 4 gr.; Phenacet. B.P. 4 gr.; Codein. Phosph. B.P. 0[,]125 gr.; Calc. Carb. B.P. 1[,]2 gr.; Acid. Cit. B.P. (Exsic.) 0.4 gr.

Codis (Regd.) is not advertised to the public

N.H.S. BASIC PRICE. 300 tablets in distinctive gold foils of 6 tablets each, 15/- per box.

PUBLIC SIZES. Packs of 20 tablets (in bottles or foil) 2/7 each inc. P.T.

RECKITT & COLMAN LTD., HULL & LONDON (PHARMACEUTICAL DEPT., HULL)



CALLING ALL CHEMISTS!





With juice from SUN-RIPENED FRUIT under strict scientific and hygienic control.



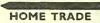
I is delicious - it REFRESHES SALES!

A Beecham Foods product • Take advantage of the special discounts on all Beecham products • Take advantage of regular and quick deliveries.

Order NOW!—from our Representative when he calls.

Let him help you with attractive SELLING Show Material.

For further information write to BEECHAM FOODS, Sales Department, Great West Road, Brentford, Middlesex.





FYPORT

MENTHOL LIQUORICE JUICE & ROOT

SARSAPARILLA

and all other Botanicals, Gums, Waxes, Essential Oils and Spices

JOHN KELLYS (LONDON) LTD. 24 OLD BROAD STREET, E.C.2

Telephone: LONdon Wall 4882, 6585 (3 lines) Telegrams: "Ergotine, Stock, London"

NEW YORK . HAMBURG

Summer is on the way

Summer sun will soon be here and with it scorched skins. Esoban De Luxe Cream of Calamine brings ease and comfort. Ideal for sunburn, skin irritation, chafing and eczema. Stock up now-

SPECIAL SEASONAL TERMS $33\frac{1}{3}\%$ discount and bonus 13 to the dozen.

PLUS

5% on £5 and 10% on £10 direct orders in return for 14-day counter and window display.

★ Send for attractive show material.

LARGE SIZE 2/11d. (inc. tax) HANDY PACK 1/6d. (inc. tax)

ESTBAN CALAMINE

SOUTHON LABORATORIES LTD 88, UPPER RICHMOND ROAD, LONDON, S.W.15.

ferrania

SUPERPAN FILMS

for speedy sales

ROLL FILMS. Superpanchro F20 2/11, F620 2/11, F27 2/7, F16 3/8, F616 3/8, F29

35 mm. FILMS. P.3 Fine Grain Pan, and S.2 Superpanchro cassettes, 36 exposures, 8/9. Refill, 36 exposures, 4/6. Refill, 3 x 36 exposures 12/1. Refill, 10 x 36 exposures. 36/11.

BROWN & CO., LTD. NEVILLE

77 NEWMAN STREET · LONDON · W.1 Telephone : LANgham 7161 (10 lines)

errania CAMERAS



... £3 15 IBIS 6 x 6 ... £4 18 6



ELIOFLEX ... £11 18 6

INDEX TO ADVERTISERS

Addis, Ltd 10	Cox, James, & Co 53
A.G.S. & Petronic, Ltd. 41	Culmak, LtdLeader Page
A.U.S. & Fellolle, Ltd	Cuxson, Gerrard & Co., Ltd
Allen, Stafford, & Sons, LtdCover i	Curson, Genard & Co., Etd
Amplion (1932), Ltd	
Andomia Products, Ltd	Daniel, Richard, & Son, Ltd
Arcfield Optical Manufacturing Co., Ltd 9	
Armour Laboratories, The	
Ashwood Timber Industries, Ltd	Ephazone, Ltd
Associated Newspapers, Ltd Interleaved Edit., 403	Evan Williams Co., Ltd
Ayrton, Saunders & Co., Ltd	
Tryrton, Saundors & Co., Etc	TIATO FILE STATE
	F.A.I.R. Laboratories, Ltd. 9
Beatson, Clark & Co., Ltd	Fallowfield, Jonathan, Ltd
Beecham Foods, Ltd. (Quosh)	Felling Zinc Oxide Co., Ltd
Reecham Foods Itd (Ribena)	Ferris & Co., Ltd
Bell, John, Hills & Lucas, Ltd. 56	Fibrenyle, Ltd. 33
Bengue & Co., Ltd. 22	Fish Optical Co., LtdLeader Page
Brannan, S., & Sons, Ltd. 36	Foyle, W. & G., Ltd
Diaman, Di, & Sons, Dea. Illinininininininini	Freeder Bros. Paper Mills 38
Ditton Diag riouses, Limit in the first the fi	Fulford, G. T., & Co., Ltd. (of Canada)
Brown, Neville, & Co., Ltd	
Burroughs Wellcome & Co	Furman, B. N. (Productions), Ltd
	4
Camilatone, Ltd	G.B. Equipments, Ltd
	Glovers (Chemicals), Ltd. 20
	Graebener, Richard Leader Page
Cartwright, W. B., Ltd	Grace & Co (Vnottinglay) Itd
Chappie, Ltd	Gregg & Co. (Knottingley), Ltd
Chemist and Druggist Art of Dispensing 56	
Chemist and Druggist Diseases and Remedies 48	Hampshire, F. W., & Co., Ltd. (Dor) 55
Chemists' Sundries (Preston), Ltd 50	Hampshire, F. W., & Co., Ltd. (Loxene)23, 27
Codis 2	Hamburger, M., & Sons
Colby, Ltd 8	11amourger, 111., & 50m3
Cooper, McDougall & Robertson, Ltd	
Cox, Arthur H., & Co., Ltd.	(continued overleaf)
- United 111, 00 CO., Etc	. (commueu overieuj)

From the Carnegie Range of Fine Chemicals

STRYCHNINE AND SALTS

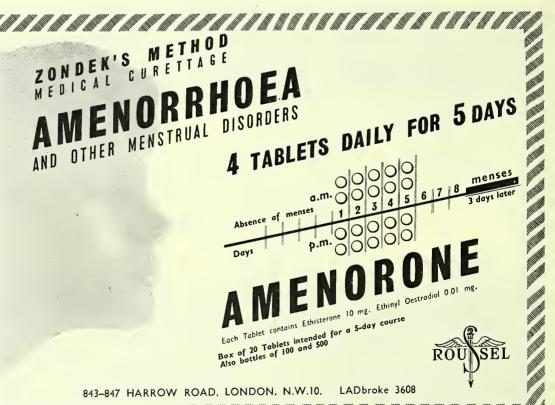
CARNEGIES OF WELWYN LTD

Telegrams: 'CARNEGIES, WELWYN GARDEN CITY'

Telephone: WELWYN GARDEN 5001

(6 lines)

Parnall & Sons, Ltd. 39 Pfizer, Ltd. Interleaved Edit., 404
Pharmax, Ltd. 32
Phillips Electrical, Ltd
Precision Sharpeners, Ltd
Priory Laboratories, Ltd
Rayner & Co., Ltd
Regna Cash Register Co., The
Ribbands, C., & Sons
Ries, B. H., Ltd. 24
Rose, J. L., Ltd
Roussel Laboratories, Ltd 6
Savory & Moore
Secto, Ltd. 57
Skuse & Co., LtdLeader Page
Smith, T. & H., LtdCover ii
Smith, T. J., & Nephew, Ltd
Southon Laboratories, Ltd 4
Standard Synthetics, Ltd 50
Suttley & Silverlock
Swan Mill Paper Co., Ltd
Thornton & Ross, Ltd
United Glass Bottle Manufacturers, Ltd
Universal Metal Products, Ltd
TV 11
Washington Chemical Co., Ltd., The
Webster, Isaac, & Sons, Ltd
Whiffen & Sons, LtdCover iii
Zeal, G. H., LtdCover iv





BOTTLES RIBENA

300,000 + OVER EVERY WEEK

SELLING PROFIT FOR

+ READ £10,000

RETAILERS EVERY WEEK

Each bottle you sell puts at least 8/2 profit in your till

Ribena Really FIGHTS SALES FATIGUE

Be sure you cash in on this money spinner

Order Ribena today!

VITAMIN C

HEALTH DRINK

Concentrated. Dilute to taste

PRICE 3/6

For new counter and window show cards write to:->

BEECHAM FOODS, GREAT WEST ROAD, BRENTFORD, MIDDX.

DAR 5514 T



Available in 9 attractive packaging styles including Chemist's 'Own Brand' series.

ARTHUR H. COX & CO. LTD. Manufacturing Chemists since 1839 BRIGHTON



This really fast selling NATIONALLY **ADVERTISED** product shows 75% profit on cost. Is packed in most attractive polythene self spray bottles and carton.

Showcards, Window & Counter streamers, own name printed handouts, etc. and other advertising material free on request.

New "PRIDE OF LONDON" Lines

PRIDE COLOUR STREAK, for lovely Tints, Streaks, High Lights In brush capped bottles. Retails 3/9.

PRIDE SPRAYING BRILLIANTINE, an ultra light high gloss tonic brilliantine in self spray polythene bottle. Retails 3/9.

LONDON SNOW. EGG and LEMON cream nutritive shampoo. Small size in boxes, sufficient for 3 shampoos (in 3 dozen display outers). Retails 9d. In family sized jars. Retails 3/9.

From your usual wholesaler or direct

B. N. FURMAN (PRODUCTIONS) LTD. 133 FONTHILL ROAD, LONDON, N.4. Archway 1105

COLBY

introduce new 6 star service

Now customers can order individually through you!

- designed surgical stockings ★ Sufferers see Colby showcard in your window offering individually designed surgical stockings.
 - They enter and order from you (wide range includes Nylon Yarn, Elastic Yarn, Cotton Net).
 - You fill in the order form and post it,
 - We send you customer's exact requirements.
 - You complete the sale and pocket the retail profit margin.
 - Customers come into your shop twice. Two opportunities for loose change purchases.

No capital outlay on stocks,

No shelf space taken up.

No sales losses through being "temporarily out of stock."

Send today for material samples, eye-catching window display cards, counter leaflets, price lists and order forms. Write to:



SURGICAL ELASTIC HOSIERY

(DEPT, CD), 314 EUSTON ROAD, LONDON, N.W.1.

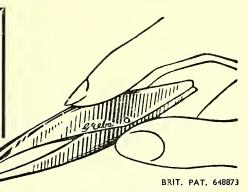
IT'S THE SOLUTION THAT SELLS THE

Greba TWEEZER

IT HOLDS THE MINUTEST ARTICLE
WITH AN UNFAILING GRIP

Trade Price

8 - DOZ. (plus P.T.)



Women everywhere are welcoming this new improved patented tweezer, because it really does grip without effort or tension. The "GREBA" is British made from stainless steel in a simple design both pleasing and practicable. Order from your usual Wholesaler.

Wholesale and Export Enquiries to:-

ARCFIELD OPTICAL MANUFACTURING COMPANY, LIMITED.

(Light Engineering Section)

53 Tottenham Court Rd., London, W.I



What people think of Flextron

IN LESS THAN A YEAR—
SECOND IN THE MARKET!

We introduced Wisdom Flextron toothbrushes some two years ago, and within a year Flextron sales were running higher than those of all other brands except one. Dear Sirs,

2.2.54

You may be interested to learn of my experience with one of your "Flextron" Tooth Brushes—in my opinion it is worthy of recording.

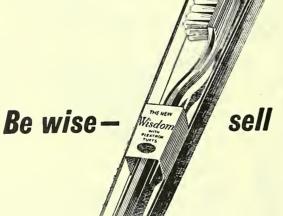
I purchased this brush (Hard bristles) in mid-June last year, after reading your advertisements, and only now after eight months continual use—4 times daily—is it reaching the end of its life. I think the poor old chap has more than earned its retirement, as the bristles are somewhat flattened, but during all this time not a single one has come out. To me this is positively astonishing, as previously I have tried—,—,* your earlier brushes, and other makes, and in all cases they have been unusable after two months.

After this experience there will only be one Tooth Brush for me in the future—a "Flextron," and if my next gives me half the service of the one named, I shall be delighted.

I thought you might be glad to read of the success of your new venture, and if you care to use extracts from this letter for advertisement purposes, you may do so provided my name and address are deleted.

*The writer mentions two well-known brands

There is little doubt that this year sales are still going to go on increasing. And remember, when you sell Flextron not only do your customers get a better brush, but you make a better profit.



sell Wisdom

The quickest-selling toothbrush

MADE BY ADDIS LIMITED, BRUSHWORKS, HERTFORD

ALMOND OIL

brushles5

cream

If personal service and faultless workmanship are required

U.M.P.
is the answer

Have you contacted

U·M·P PLASTICS for

your requirements in

MOULDED PLASTIC CONTAINERS?



WHY NOT TRY THE U·M·P WADLESS CLOSURE?

- NO LOOSE CAPS

 AFTER FILLING
- **A PERFECT CLOSURE**

UNIVERSAL METAL PRODUCTS LTD.

NATION-WIDE INTEREST IN BABY HYGIENE CREATES UNPRECEDENTED DEMAND!



Best for Baby

envelopes displaying the attractive material to full advantage.

KUMFY-KIDDY Baby Pants are supplied in special counter display cartons which bring their many advantages to the immediate attention of prospective customers.

Also included in the KUMFY-KIDDY range are SLEEVE FEEDERS, COT SHEETS and BIBS.

J. W. S. HISLOP LTD., 50-52 FORE STREET, EDMONTON, LONDON, N.18

Order your supplies now!

& ALL PREPARATIONS IN THE B.P.C. 1954 & N.F. 1955

RICHARD DANIEL & SON LTD.

MANUFACTURING CHEMISTS

MANSFIELD ROAD DERBY TEL. 48266 (4 lines)

and at GROSVENOR ST., ASHTON-U-LYNE. Tel. 2816 (3 lines)

AMAZING VALUE

F/2.8 Steinheil-Cassar lens Prontor SVS Shutter. Lever Wind

for £19 · 19 · (1

Manufactured by the makers of the famous Paxette, the Gloriette takes 35mm. film and is fitted with Steinheil - Cassar f/2.8 lens, lever-wind, delayed action device, flash synchronised SVS shutter, body release, etc. It is priced exceptionally low to encourage quick sales. Display stands and leaflets available to stockists.

GLORIETTE

with 8-speed Prontor SVS shutter £ 19 · 19 · 0 with 4-speed Pronto shutter £ 17 · 17 · 0



GLORIA 2½"×2½"
Rangefinder Camera
Pronto 4-speed £18·18·0
Prontor SVS £21·17·6

PAXINA 29 2½"×2½"

Pronto 4-speed £14·14·0

Prontor SVS £17·17·0



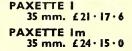


RAUN



NEVILLE BROWN & CO., LTD.

77 NEWMAN STREET, LONDON, W.I Tel.: LANgham 7161 (10 lines)



reading about

TONRINZ

in the press





reaching for

TONRINZ

on your counter

they send your sales soaring every day!

Throughout the pages of the national magazines, more and more Camilatone advertisements appear—catching the eye, exciting the imagination, and sending women in search of Tonrinz. With the inviting 'pyramid' display on your counter, their search will end in your shop.

Show them the Twin Pack as well—it's a combination of Camilatone shampoo and Tonrinz with the same variety of shades.

CAMILATONE

TONRINZ

TONRINZ: Retail Price 4½d. Trade Price 2/- per doz. plus 75% P.T.

TWIN PACK: Retail Price 8\frac{1}{2}d. Trade Price 3/9 per doz. plus 75\% P.T.

CAMILATONE LTD., EDGWARE ROAD, N.W.9



PROETHRON XX

LIVER EXTRACT INJECTABLE WITH A MINIMUM OF 20 MICROGRAMMES OF VITAMIN \mathbf{B}_{12} PER ml.

MAXIMUM RETICULOCYTE RESPONSE
WITH MINIMUM DOSAGE IN
PERNICIOUS ANAEMIA AND OTHER
MACROCYTIC ANAEMIAS

AMPOULES 3/Imi., 25/I ml. VIALS 10 ml.

Write for Literature to:

THE ARMOUR LABORATORIES

HAMPDEN PARK, EASTBOURNE, SUSSEX

Telephone: Hampden Park 740
Telegrams: "Armolab" Eastbourne

Spring is treacherous.

Lots of customers will be asking you for a remedy for colds and catarrh - sell them

BESORBON

REGD. TRADE MARK

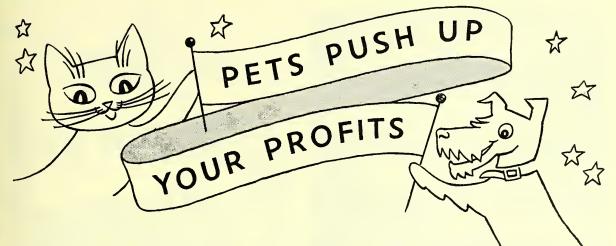
MEDICINAL SNUFF

the **proved** remedy

Your wholesaler can supply you promptly. Orders of one dozen come in attractive counter display box for

MORE SALES - MORE PROFIT

KEMSALES LTD., 20 EASTCHEAP, LONDON, E.C.3



A monster spring booster campaign for Kit-E-Kat and Meet in leading National papers and magazines...96,576,000 large size advertisements within these two weeks! APRIL 17th TO APRIL

WITH A SPECIALLY DESIGNED SELL-OUT BOX FOR YOUR COUNTER CONTAINING KIT-E-KAT AND MEET The Household Name for Cat Food. 4 DOZ. TINS

the newest, biggest Sales Success-Solid Meat in

1 DOZ. TINS

If in difficulty write to Sales Director, Chappie Ltd., Melton Mowbray, Leicestershire.

- REMEMBER-PROFITS RISE AND STAY THAT WAY-WHEN YOU BACK UP WITH DISPLAY!
- ORDER YOUR SPECIAL SUPPLY FROM YOUR SUPPLIER NOW!





. . . the facility of buying Savory & Moore high quality Pharmaceutical Products locally is not without its attractions to "more discerning" customers—the customers who form the backbone of your "goodwill." A display based on the following list of regularly advertised specialities will forge many a link of enduring patronage.

DR. JENNER'S

Absorbent Lozenges for Indigestion

MEDILAX

Laxative Pellets

DENTURAL

Liquid Denture Cleanser

QUINASP

Influenza Capsules

TAYLOR'S CIMOLITE

The perfect Talcum Powder

CHILDREN'S BLACK CURRANT LINCTUS

Children love its pleasant taste

Write for particulars of bonus display terms



Savory & Moore

Standard Works, Lawrence Rd., Tottenham, N.15



on 4 doz. x 4-oz. or equivalent weight in assorted sizes (4-oz., 6-oz., 12-oz.).

2½% BONUS

on 2 doz. x 4-oz. or equivalent weight in assorted sizes (4-oz., 6-oz., 12-oz.).

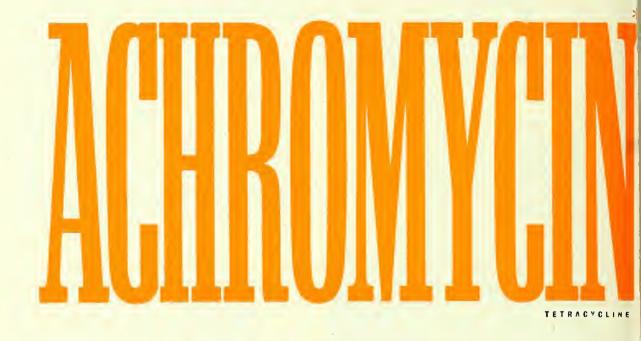
Retail prices are 5/3, 6/6, 10/6 this year. Don't delay send off an order NOW if you have not already done so! MOTH-aire and FRESH-aire, when added to a bonus quantity order, will be invoiced at the same bonus terms.

BONUS OFFER ENDS APRIL 30th

COOPER MCDOUG

ERKHAMSTED

ROBERTSON LTD



now derestricted

Lederle's newest broad-spectrum antibiotic

CAN NOW BE PRESCRIBED ON E.C. 10



ACHROMYCIN means greater comfort, potency
and economy

• REGD. TRADE-MARK

LEDERLE LABORATORIES DIVISION

mong the main advantages of ACHROMYCIN are:—

videst range of anti-bacterial activity
owest incidence of adverse side effects
rue broad-spectrum activity against bacterial,
rickettsial, virus-like and mixed infections
uicker absorption, more prolonged blood levels
linimal side effects, greater comfort for the patient
vell tolerated over long periods
vide range of oral and parental dosage forms
t I Gm. daily dosage, shows true economy

chromycin tetracycline was derestricted on April 4. Dectors in general practice can now prescribe it whenever required for private and N.H.S. patients. Achrocal represents the greatest step forward in antibiotic erapy—it shows the widest range of antibacterial tivity and the lowest incidence of side effects. It is one quickly absorbed, more quickly diffused in body sues and it rapidly attains high concentrations in the bood. All these advantages set new standards in broadectrum antibiotics—they also give wider scope to genal practitioners in terms of greater comfort for the stient, quicker response, and greater economy in precibing. The average adult dose of Achromycin, like at of Aureomycin † chlortetracycline—from which it derived—is 1 GRAM DAILY.



Capsules. 50 mg,—Vials of 25 and 100. 250 mg.—Vials of 16, bottles of 100.

Tablets. 50 mg.—Vials of 25 and 100. 250 mg.—Vials of 16, bottles of 100.

Intramuscular. Vials of 100 mg.

Intravenous. Vials of 250 mg. and 500 mg.

Ointment 3%. Tubes of ½ oz. and 1 oz.

Ophthalmic Ointment 1%. Six tubes of 1 oz.

Oral Suspension. Cherry flavoured—Bottles of 1 oz.

Pediatrie Drops. Cherry flavoured-Bottles of 10 cc.

Soluble Tablets. 50 mg. Bottles of 100.

Spersoids†. Dispersible powder—Jars of 36 Gm. and 75 Gm.

† Trade-Mark



MORPANS CH & CHS (CETRIMIDE BP)

Powerful Quaternary. Bactericides for Antiseptic Cleansing.

TEXOFOR AIP (CETOMACROGOL 1000 B.P.C. 1954)

Non-lonic Emulsifier and Dispersant.

COLLONE NI (CETOMACROGOL WAX B.P.C. 1954)

Non-lonic Emulsifying Wax for inert emulsions, resistant to extreme pH values, hydrolytic agents and high salt concentrations.

COLLONE AC

Non-lonic Emulsifying Wax especially valuable for hydrocarbon emulsification ranging from light oils to high melting paraffins.

Hydrophilic base Pharmaceutical and Cosmetic preparations.

COLLONE SE

Anionic Emulsifying Wax for producing emulsions exceptionally stable to temperature changes and giving high viscosities at low concentrations.

COLLONE HY

Anionic Emulsifying Wax Base for the Cosmetic Industry.

GLOVERS (CHENICALS) LTD.

WORTLEY LOW MILLS, WORTLEY, LEEDS 12. Tel: Leeds 38037. Grams: "Glovers, Wortley, Leeds."

ROTARY ACTION

gives CLOSER shaves . . .

ROTARY ACTION

gives QUICKER shaves . . .

ROTARY ACTION

gives SMOOTHER shaves . . .

—In fact, PHILISHAVE

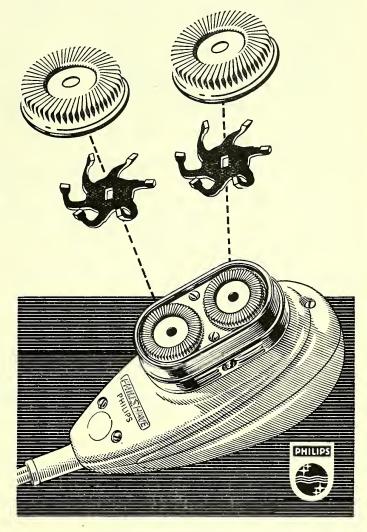
ROTARY ACTION

gives BETTER shaves

all round!

In the Press... on the hoardings... over the air from Radio Luxembourg... displayed at shops and exhibitions the length and breadth of the country—'Philishave' Rotary Action will be the sales attraction of the year!

The 'Philishave' leaflets and display material tie up with this colossal campaign. Make sure you get your supply.



Demonstrations and Free Trial Offers are the trump cards **you** can play to clinch sales of the Philishave.

Please note: as part of their service, to assist you run Free Trial Offer schemes, Philips sterilise any 'Philishaves' you loan on trial. Shavers are returned in brand new condition. Full details can be obtained from the address below.

PHILIPS PHILISHAWE with ROTARY ACTION

THE DRY-SHAVER WITH THE BIGGEST WORLD SALE!

A product of Philips Electrical Limited • Century House • Shaftesbury Avenue • London • WC2

a New Bengué-Bailly Product

GROMIDIN **TABLETS**

each containing 0.25 mg. Pure Gramicidin, an antibiotic of microbial origin. It is a cyclic polypeptide containing various amino-acids (Glycine-Alanine-Valine-Leucine-Tryptophane) and Ethanolamine.

Treatment and prophylaxis of Indications: rhino-pharyngeal, laryngeal, buccal and dental affections. Also in treatment of bronchitis.

POSOLOGY

5 to 10 tablets daily, to be dissolved slowly in the mouth

PACKING: TIN OF 25 TABLETS Your price 31/6 per dozen Retailing at 3/6 per tin

A NEW SEDATIVE, ANTISPASMODIC AND VENOCONSTRICTOR

EDACONES BAILL

Packed in cartons of 6 Suppositories.

For treatment of painful and congestive ano - genito - urinary affections :- Hemorrhoids, Cystalgia, Urethritis, Prostatitis, Dysmenorrhoea, Salpingo-ovaritis.

PRICE TO YOU: Carton of 6 Suppositories 39 + 1 ld. P.T RETAIL PRICE: (including Purchase Tax) 6/- per carton.

LITERATURE AND SAMPLES ON REQUEST TO BAILLY LTD., LONDON,

BENGUE & CO., LTD.

Manufacturing Chemists, MOUNT PLEASANT, ALPERTON, WEMBLEY,



MADE BY RAYNER AND COMPANY LIMITED, LONDON, N.18

The Best costs no more!

when ordering ZINC OXIDE insist on -



AND GET THE

Highest Standard of Purity

WHOLESALERS ONLY SUPPLIED ENGLISH MANUFACTURE USED THROUGHOUT THE WORLD

Guaranteed free from lead and arsenic. Its manufacture is supervised throughout by qualified chemists. Each particle size will pass 240 mesh with less than 0.1% residue.

We supply most Wholesalers, but should you have difficulty please contact

Telephone: WATERLOO 5800

Manufactured by THE FELLING ZINC OXIDE COMPANY





IN SLIMMING!

No longer is there any need for belts, exercises or drugs. Just eat BISKS and 'Square' meals to get rid of unwanted fat. Your customers will thank you for making it so easy for them to slim. This is the slimming method that has swept America.

BISKS are being advertised in all the leading Women's papers. Show material available. Bisks retail at 4/6 and 8/6.



ANDOMIA PRODUCTS LTD

GRANT STREET

BRADFORD,

Why WARMABED

Electric Blankets are best sellers!

Seles Ala Service

WIDELY recommended for their efficiency and reliability and carrying the Good Housekeeping Certificate, Warmabed Electric Blankets are no less in demand because they are of 100% pure wool in lovely pastel shades.

The attractive series of Sales Aids supplied on request to Stockists, and our national advertising ensure big sales. Write for Catalogue and Trade Terms.

Send for WARMABED Sales Aids Brochure



MODERN ELECTRICAL INDUSTRIES LIMITED KNOTTINGLEY, YORKS.

Tel.: Knottingley 51. Grams and Cables: "Warmabed, Knottingley"







SWISS HIGH PRECISION

ELECTRIC SHAVER

Through your usual wholesaler or direct from B. H. RIES LTD.

LOOKATTHEIJO!

Look at the specification!

Look at the style!

Look at the finish!

Look at the price!

THIS IS IT! A simple-to-use luxury snapshot camera at a popular price. Features include f/11 and f/16 aperture settings, popular $2\frac{1}{4}$ square format—12 exposures on 120 film—eye-level viewfinder and synchronised flash fitting. Finished in handsome leatherette, it's the best buy on the market.

Stock the 110 today—

there is nothing cheap about this camera but the price...

SO...BE SURE—WITH

Distributed by G.B. EQUIPMENTS LTD. Photographic & Optical Division, Dept. CD/4/55, Mortimer House, 37-41 Mortimer St. London, W.1. MUSeum 5432.



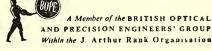


(INC. P. TAX)

THE 630 CAMERA

With f/6.3 coated anastigmat lens, 3-speed shutter and other refinements for the snapshotter who wants a little more—and is prepared to pay a little more to get it.

£9 • 18 • 9 (inc. P. Tax)





important message for all

PROPRIETARY MANUFACTURERS

If you manufacture proprietary lines, we think you ought to know that all your galenical requirements can be met from a single source. Yes, we hold stocks of an extensive range of these drugs-and all at highly competitive prices. We can offer, too, a complete processing service and will make up any line precisely to your own formulas and specifications. This way you can always be sure that output will keep pace with demand! If you have a problem on proprietary manufacture,

please let us know-we probably have the answer.

Write, 'phone or wire your requirements:

HARKER STAGG LIMITED

EMMOTT STREET, LONDON, E.1

TEL: STEPNEY CREEN 2022 GRAMS: GALENICALS, EASPHONE, LONDON

- GALENICALS
- TABLETS
- COMPLETE PROCESSING SERVICE



Special Introductory Offer

"SWISH"!

fast selling QUICK REPEATERS

"SCENTinel No. 3"

Attractive modern MIKE container: Chemical block repels moth and vermin with fragrant freshness. Complete unit retails at 3/3. Refills 1/3.

These NEW HYGIENE PRODUCTS

are the greatest advance in Home Hygiene in half a century. Ideal protection for Clothes, Furs, Health. Chemical block refills last 6 to 8 weeks.

CASH IN ON SPECIAL INTRODUCTORY OFFER NOW!

Used throughout IDEAL HOME EXHIBITION.

Cleans, deodorises and disinfects lavatory pan every time pan is flushed. Stainless steel and plastic fitting. Complete unit retails at 2/6. Refills 9d

AND $7\frac{1}{2}\%$ DISCOUNT ON THIS SPECIAL ASSORTMENT

- "SWISH" 1 doz. complete units plus 2 doz. refills.
- "SCENTinel No. 3" I doz. "Mikes" complete, plus 2 doz. refills.
- "SCENTinel No. 4" 2 doz. "Rosebuds" complete.



"SCENTinel No. 4"

The "Rosebud". Lower priced unit in silver foil package, 3 in. square. Big sales every where. Death to moth and vermin, sweetness to the air. Complete unit retails at 1/3.

MANUFACTURED BY: NEW HYGIENE LTD. 266-268 HOLLOWAY RD., LONDON, N.7 Tel: Cables: NORth 5041-2-3, 'AIROGENA-HOLWAY'



new development in hair hygiene

F. W. HAMPSHIRE & CO. LTD. SUNNYDALE · DERBY

Frankly, if Loxene were just another 'glamour' shampoo or 'ordinary' hair treatment, we wouldn't expect you to show much interest. You've got too many of those on your shelves already! But Loxene's something different — new and better. And here's why.

- 1. It washes the hair antiseptically clean.
- **2.** Developed after many years of research by a leading trichologist, it eliminates dandruff as well as regulating both over-dry *and* over-greasy hair.
- 3. Having no fancy pack to add to the cost, it can be sold at the price of 1/9 a bottle, sufficient for 8 shampoos—which is certain to make it enormously popular in the big 'family' market.

In Loxene we have a line which will practically sell itself! But to give it a good send-off, we are launching it with one of the most powerful advertising campaigns ever devised in the shampoo field. So be ready with your order when Hampshire's representative calls on you.

LOXENE

MEDICATED SHAMPOO AND SCALP TREATMENT



There's good business for YOU in FIRST AID OUTFITS

People nowadays are fully aware of the need for First Aid, and the dangers of infection through inattention. They need First Aid Outfits for the home, holidays, motoring, cycling, sports, in fact there is hardly a situation, occasion or organisation where First Aid Is not required. A prominent display of First Aid Outfits will constantly remind your customers of this need and bring you good business.

The Compactoid range is most attractively presented in strong enamelled cream, red and white boxes, and the contents are backed by over fifty years' specialised experience of First Aid requirements and manufacture.

A88. A//. A/6. A/5. A/0.
Trade Price (dozen) 23/6 42/- 75/- 90/- 171/Retail Price (each) 2/6 5/- 8/6 10/- 19/-

A PRODUCT OF

Cuxson Gerrard

E Co. Etd.

OLDBURY BIRMINGHAM



bright crowner will

attract attention ...



DRYCOTA COMBINED TABLET MAKING

AND COMPRESSION COATING MACHINE

The "Drycota" produces coated tablets in a fraction of a second without the use of skilled operators. Materials affected by moisture can now be coated by this dry method and more control over disintegration can be made. Coloured tablets, with or without engraving or embossing can be produced in record time. No extra polishing process is required.

SAMPLE TABLETS AND SPECIFICATIONS ON REQUEST

★ ★ SEND TODAY FOR YOUR COPY... "Tablet Making" by A. Little and K. A. Mitchell. 123 pages. 47 illustrations, 31 formulæ. Cloth bound. 15/- net. Post free.

MANESTY MACHINES LIMITED

Dept. 5, SPEKE, LIVERPOOL 19 Telephone: Hunts Cross 1972. Telegrams: Manesty, Liverpool 19

TABLET MACHINES • MIXERS • GRANULATORS • COATING PANS • AUTOMATIC WATER STILLS

announcing the arrival of the

UN DRY SHAVERS

UNICSY

MODEL " 54"

RETAIL PRICE

(incl. P.T. 17/10)

DUAL VOLTAGE MODEL £6

(incl. P.T. 18/11) A.C. ONLY

WE have been appointed the sole distributors for these universally famous shavers manufactured by Messrs. Rosse & Affolter, Switzerland's foremost and oldest established precision engineers. The UNIC is available in two models to meet every requirement and we claim that both in quality and performance they are the world's finest value in electric shavers.

Model "54" is a heavy duty extra powerful vibrator type, with "on" and "off" switch for 210/250 v. The large perforated shaving head with its two long hair trimming side combs is instantly removable for cleaning. Detachable solid rubber cord with plug. Presented in a double red and gold carton, including cleaning brush together with best quality plain pouch and comprehensive instructions.

Model "Vedette". A supreme achievement in luxury electric shaving. Streamlined in design with full size fast working silent motor. Perforated removable shaving head incorporating circular long hair trimmer. Dual voltage only 120/250 v. and 100/130 v. A.C. and D.C. Also available in 6 v. or 12 v. for motor cars. Presented in blue and gold carton, including fine leather zip pouch, cleaning brush and comprehensive instructions.

Full servicing facilities with original replacements. Your trial orders are invited and will receive our usual prompt attention. Trade terms $27\frac{1}{2}\%$ discount plus $2\frac{1}{2}\%$ monthly.

NO RADIO OR TELEVISION INTERFERENCE

VEDETTE
RETAIL PRICE
£11 - 11 - 0

(incl. P.T. £1 17 0) A.C. and D.C.

WHOLESALE ENQUIRIES INVITED

HAYNOR LTD., 167 GREYHOUND ROAD, LONDON, W.6

Tel: FULham 4343

Women today,

more than ever before, are believing that . . .

.. IF IT'S

Evan Williams

It's Good

FOR THE HAIR!

EVAN WILLIAMS HAIR BEAUTY PREPARATIONS · SHAMPOOS COLOUR RINSES · BRILLANTINE · WAVE SET



B.P.C. 1954

Hyrtons

can supply all the Drug requirements of [modern pharmacy, including the new items of the B.P.C. and the N.F.

N.F. 1955

AYRTON SAUNDERS

HANOVER STREET · LIVERPOOL
Telephone Royal 8282

Make their loss your gain

The message that 'Saxin'
provides them with the sweetness of
sugar without adding to their
weight, will appeal forcefully to all
women. It is shortly to appear
in Good Housekeeping, Woman's Own,
Woman, Everywoman, My Home,
Wife and Home, Home Notes,
Home Chat, Woman's Weekly and
Woman's Illustrated.
The advertisement will be accompanied
by a coupon offering a free sample.
The replacement of sugar by 'Saxin'
helps the slim to remain so, the

overweight to regain a slimmer line.

Unlike ordinary saccharin, it leaves no unpleasant after-taste. It is sold only by pharmacists. A

counter or window-display will therefore ensure that you

lose unwanted weight.

gain as you help your customers to

"Sugar?" "I take 'SAXIN - it's better for my figure, and just as sweet!" "But doesn't it leave a horrid bitter taste? "Oh no! 'Saxin' is not like other sugar substitutes it's the sweetener with no other taste! One tablet is equal to a large lump of sugar - without, of course, any effect on your waistline! I use 'Saxin' in everything... tea, coffee, cocoa — even for cooking, too!" Yes, it's true! Life can still be sweet, without waistline worries, if you use 'Saxin' ... nothing but sweetness! But prove it yourself - without expense or obligation. Send now for your free sample of 'Saxin', and some cooking hints specially prepared by Helen Burke. POST OFF THIS COUPON for a free sample of 'Saxia' just as soon as you can! Post in unsealed envelope, 11d. stamp, to Burroughs Wellcome & Co., 183, Euston Road, London, N.W.1.



BURROUGHS WELLCOME & CO. PRODUCT



LIKE A FIRE...

just a spark-fanned into a flamedeveloping into a blaze...

A simile of the rapid growth of Diuromil Sales.

Every week thousands of sparks—our advertisements in our Nation-wide press campaign, create interest and customers. Slides on Theatre screens all over the country stimulate interest plus medical support and

terest, plus medical support and the endless testimony of one person who has derived benefit telling others, until the sparks become flames, which have now developed into a blaze.



Diuromil

has the largest and fastest sales of all effervescent salts, especially compounded for the relief of

RHEUMATISM, GOUT, LUMBAGO, SCIATICA, FIBROSITIS

You can add fuel to the flames by displaying Diuromilvery attractive show material gladly sent on request.



P.A.T.A.

recommends your recommendation.

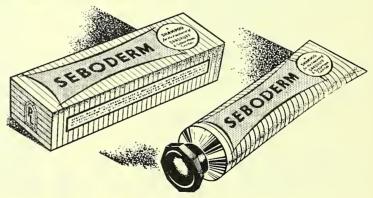
PHARMAX LIMITED, GRAVEL HILL, BEXLEYHEATH, KENT.

The treatment for Dandruff and Seborrhoeic Dermatitis..

SEBODERM

CETRIMIDE CREAM SHAMPOO

- ★ Prepared specifically for care of the scalp and hair.
- ★ Most effective in treatment of simple Dandruff and Seborrhoeic Dermatitis.
- ★ The Shampoo is pleasant to use.



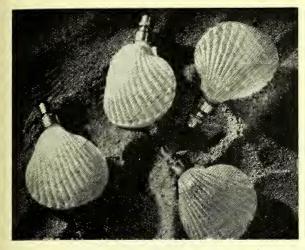
SEBODERM in $\frac{3}{4}$ -oz. tubes, Retail Price 2s. 4d. each inc. P. Tax.

To PHARMACISTS— $33\frac{1}{3}$ per cent.

PLUS bonus I free tube per dozen.

PL TRACE MARK

PRIORY LABORATORIES LTD., Pyramid Works, West Drayton, Middlesex



Here is the "SKYLON" sea shell Atomist with its no leak nozzle, it is ideal for the lady's handbag.

SHE SELLS

SEA SHELLS

Not, of course, on the sea shore but in the Chemist Shop and Beauty Parlour. The "Skylon" range of polythene bottles and jars are made in from ½ oz. to 13 gallon capacity, from the strictly utility to the frankly decorative and frivolous. Colours are, white, pink, blue and green pastel shades-matching



or contrasting tops and the fairy ball bottle with gold cap is something no woman can resist!

ACORN 5073-4

157 DUKES ROAD, LONDON, W.3



THE CHEMIST

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 163

April 9, 1955

No. 3920

CONTENTS

A Beecham Regroupit	ng 391	
Acquitted of Conspira	acy 387	
A Scriptprycin (verse	e) 398	
Awards for Advertiser	ments 391	
Leading Articles:—		
What the Estimates	Foretell 395	
Working Condition	s in Shops 395	
Effects of a Dublin		
Man-power, Training		
New Products and Pa		
Photographic Notes	390	
Photographic Studies	Course 399	
Research Donation .	393	
Share Movements	396	
Shopfitting Problem	398	
Topical Reflections		
"Trade Rather than		
West London Pharma		
West London Filanna	cists Diffier 393	
Births 388	New Companies 386	6
Branch Meetings 392	News in Brief 38:	5
British Fine Chemicals 402	News of the Week 38:	3
Business Changes 388	Personalities 38	8
Coming Events 408	Price Changes 40	
Company News 386	Print and Publicity 403	8
Correspondence 396	Sport 38	
Deaths 388	Scottish News 38	
Information Wanted 394	Trade Marks 40	7
In Parliament 386	Trade Notes 39	0
Y	CD 4 10	_

INDEX TO ADVERTISERS, Pp. 5 & 6.

... ... 387 Trade Report 405

EDITORIAL AND PUBLISHING OFFICES

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telephone: Central 6565

Telegrams: Chemicus, Estrand, London

Branch Offices:

BIRMINGHAM, 2: 111 New Street.

Phone: Midland 2921

GLASGOW: 24 Dixon Road, S.2. LEEDS, 16: 32 Wynford Rise, Phone: Pollock 4802 West Park, Phone: Leeds 78438

ANNUAL SUBSCRIPTION, which includes The Chemist and Druggist Diary and Year Book, £2. Single copies one shilling each.

THE NAME BEHIND THE CHEMIST

FOR OVER A CENTURY AND A HALF

FOR STOMACH COMFORT



The outstanding preparations in their fields

NATIONALLY ADVERTISED



FOR
THROAT
COMFORT



Meggeson & Co. Ltd., London, S.E.16

Volume 163

APRIL 9, 1955

No. 3920

Pharmaceutical Conference

PRELIMINARY ABERDEEN PROGRAMME

THE preliminary programme of the 1955 meeting of the British Pharmaceutical Conference in Aberdeen, August 29 to September 2, is given below. All science sessions are being held at the Music Hall, Union Street.

Monday (August 29).—At 3.15 p.m., buffet tea at the Music Hall; at 4, opening session and address by chairman of the Conference at Music Hall; at 7.30 for 8, civic reception and dance at Beach Ballroom.

TUESDAY (August 30).—At 9.30 a.m., science session; at 9.30, ladies' excursions; at 1 p.m., luncheon; at 2.15, symposium session at MacRobert Hall; at 2.15, ladies' excursions; at 8 for 8.30, university reception at Marischal College.

Wednesday (August 31). — At 9.30 a.m., science session; at 9.30, ladies' excursions; at 10, Branch Representatives' meeting at Mac-Robert Hall; at 1 p.m., luncheon; at 2.15, science session (if necessary); at 2.15, garden party for ladies at Garthdee House; at 2.15, Branch Representatives' meeting (continued); at 7.30, conference banquet at Music Hall.

THURSDAY (September 1). — At 10 a.m., conference excursion "Royal Deeside." (Evening free.)

FRIDAY (September 2).—At 9.30 a.m., science session; at 1 p.m., luncheon; at 2.15, science session; at 2.15, sports; at 4, buffet tea; at 4.30, closing session at Music Hall; at 7.30 for 8, conference ball at Beach Ballroom.

EXCURSIONS.—A limited number of places in the ladies' excursions will be available for gentlemen at 7s. 6d, a head for the coach tours. Application should be made as early as possible, with remittance, to the local secretary, Mr. George L. Dickie, 4 Deeside Terracc, Aberdeen. Gentlemen's tickets for the garden party (charge 5s.) will be obtainable at the Conference office.

ACCOMMODATION.—Reservations have been provisionally made at a number of hotels in Aberdeen and particulars are given on a leaflet which can be obtained from the local secretary. The Committee must confirm the provisional bookings before June 4, and accommodation cannot be guaranteed thereafter. Applications must be made on the form attached to the leaflet. Payment for accommodation must be made direct to the hotel and not through the Local Committee. Hostel accommodation is also available and

there is an hotel catering for children only in Ballater, forty miles from Aberdeen. Interested members should inquire direct to the Oakhall Children's Hotel, Ballater, Aberdeenshire.

TICKETS.—Applications for books of Conference tickets, accompanied by remittance (£6 6s. per book), should be sent to the local secretary.

Fees for Trade Marks

RENEWALS TO COST MORE

FROM April 1 higher renewal fees are being charged for trade marks registrations due to expire after June 30; and after the latter date there will be a general increase in the fees payable in respect of a number of trade marks matters. A similar announcement regarding higher renewal fees for patents and designs was announced on January 31 (see C. & D., February 5, p. 131).

Statutory Committee

DISCIPLINARY INQUIRY

THE Statutory Committee of the Pharmaceutical Society is meeting at 17 Bloomsbury Square, London, W.C.1, at 11 a.m. on April 19, to inquire into a complaint alleging that a member of the Society, who is the registered superintendent and managing director of a corporate body carrying on business as an authorised seller of poisons, has been guilty of misconduct on the grounds that the signs used on the premises of the company are not in keeping with the professional dignity of pharmaceutical practice and are inconsistent with the Statement Upon Matters of Professional Conduct.

Prescription Charges CUSTOMER'S COMPLAINT CONDEMNED

A CUSTOMER who had received £21 10s, worth of chloramphenicol on three prescription forms for different members of his family complained to his chemist at having to pay 3s. in charges. He thought that all three should have been on one form. Mr. R. S. MURLEY (consultant surgeon to the Royal Northern Hospital, London) told the spring school of the East Anglian Institute of Hospital Administrators at Great Yarmouth on

April 3 that that was an illustration



BRIGHTON STUDENTS AT GREENFORD: Members of the Pharmaceutical Students' Society, Brighton, examining a magnetic stirrer in the research division of Glaxo Laboratories, Ltd., head-quarters at Greenford, Middlesex, during a visit on March 8. In the centre is Miss Mary Thomson (secretary of the Society).

of the present irresponsible attitude of the patient. The attitude of the doctor who had prescribed the chloramphenicol for influenza was also "of interest." Mr. Murley advocated the setting up of a National Health Board to "eliminate party politics from medicine." The board could be comparable with the University Grants Committee and appointed by the Privy Council. The Board, which could be a reformed Central Health Services Council, could have executive powers but Parliament would still have to vote the moneys.

Fibre Fashions

A SHOW IN LONDON

AT the 1955 Terylene show, an exhibition organised in London by Imperial Chemical Industries, Ltd., and opened by the President of the Board of Trade on March 28, all the fabrics made from the fibre were to be seen in goods displayed by 130 textile and garment manufacturers. Dr. ALEXANDER FLECK (chairman of I.C.I., Ltd.) said at the opening that Terylene had been discovered by Mr. Whinfield and Dr. Dickson of the Calico Printers' Association at their research laboratories in Accrington in 1941. Early in 1947 an agreement between I.C.I. and the Association gave I.C.I. the world rights to manufacture, except in the United States, where the rights had been acquired by the du Pont organisation, and where the fibre went by the name of Dacron. At the beginning of 1955, the first full-scale plant came into operation at Wilton, Yorks (see C. & D., January 29, p. 113).

£5 millions had already been spent on research and development and a further £18 millions had been spent or was in process of being spent on the

plants.

It is expected that approximately 50 per cent. of the total output of a special high-tenacity version of Terylene will be used for industrial purposes. Besides having a high rate of resistance to acids and many other chemicals, Terylene has a resistance to heat over a wide range of temperatures surpassed only by glass and asbestos. Industrial uses include filter cloths, industrial clothing and conveyor beltings.

Analytical Chemists

ANNUAL MEETING OF SOCIETY

AT the annual meeting of the Society for Analytical Chemistry held in London on March 4 membership of the Society was reported as 1,799, an increase of 153 over the previous year. The following officers were elected for the year 1955–56:—President, Mr. K. A. Williams; Vice-presidents, Messrs. C. A. Adams, D. C. Garratt and H. M. N. H. Irving; Treasurer, Mr. J. H. Hamence; Secretary, Mr. N. L. Allport, 7 Idol Lane, London, E.C.3; Assistant Secretary, Dr. R. E. Stuckey. In the evening following the annual meeting, a dinner to celebrate the eighty-first anniversary of the Society was held in London. Lord Adrian (president of the Royal Society) proposed the toast of the Society. He said that he was uncertain whether he was proposing a toast to an infant Society, one year old, or a ven-

erable body eighty-one years old. If it was an infant it had remarkable vigour, if a veteran, it was remarkably well preserved. THE PRESIDENT (Dr. Kent-Jones), responding, said that the Society was vigorous and expanding, and was proud of the work it did for industry and the nation. It was not so young as was suggested by its change of name, but there was no change of heart.

Pharmacists' Union

FORMATION OF DISTRICT BRANCHES

A MEETING of the council of the Registered Pharmacists' Union held in London on March 23 decided to proceed with the matter of the setting up of district branches and that members should be invited to forward the names of those willing to undertake office in their own area. The London branch of the Union was then formed with the following officers: Chairman, Mr. J. F. Neale; Secretary, Mr. E. Birss, 9 Lower Station Road, Crayford, Kent The new branch is holding a reception shortly. The council considered the question of the cautionary labelling of dispensed medicines, and concluded that, while most pharmacists were already taking steps far beyond those required by law, to ensure that the risks of accidental poisoning by the misuse of medicines were reduced to a minimum, the authorities had not so far stressed the need for all medicines to be kept in a proper manner in the home. It was thought that a publicity campaign similar to that directed to the prevention of road accidents should be undertaken by the Ministry of Health. The following officers of the. Union were appointed for 1955: President, Mr. G. H. Sheard; Vice-president, Mr. F. J. Neale; Treasurer, Mr W. T. L. Hives; Secretary, Dr. D. J. Gibson, 28 Great Queen Street, London, W.C.2.

Wine, etc., Licences APPLICATIONS AND TRANSFERS

LICENCES granted to chemists at local licensing sessions recently included a spirits off-licence to Mr. J. Gould, M.P.S., 113 Lanehouse Road, Thornaby-on-Tees; a wine and spirits off-licence to Mr. D. E. Thomas, M.P.S., Ammanford Road, Tycrocs, Carmarthens; and a licence to sell medicated wines only to Mr. W. R. Fleming, M.P.S., 179 King Street, Oldham, Lancs. Applications by Mr. W. J. I. Lebeter, M.P.S., for the transfer of a wines off-licence from 69 Nightingale Road, Derby, to 59 Nightingale Road, and by Mr. S. R. Prentice, M.P.S., for the transfer of a beer off-licence from Robinsbridge Road, Coggeshall, nr. Colchester, Essex, to his shop in Market Hill, Coggeshall, were granted.

Shortage of Scientists

LOW PERCENTAGE IN INDUSTRY

THE shortage of scientists, both for teaching and for industry, was referred to by Mr. F. A. C. Guepin (a managing director, Royal Dutch/Shell group of oil companies) in a speech to the Chemical Society in London on April 1. Mr. Guepin said that indus-

try was often accused of stealing potential science teachers, but universities, the Government and the Department of Scientific and Industrial Research all took their quota. A recent estimate calculated that 60 per cent. of the male honours graduates in science and mathematics went to the schools and universities for teaching and research, whereas only 30 per cent. went to industry and commerce, the Government taking the remaining 10 per cent. Of pass graduates, 45 per cent. went to the academic world, 40 per cent. to industry and 15 per cent. to the Government. There was a general need to make the best use of those scientists already available to increase the general flow, and to ensure a proper division of the flow between teaching and industry.

Chemical Production

INCREASE TO AID LIVING STANDARDS

WITH peace maintained for the next twenty-five years, Britain's chemical industry would be expected to double its output of products vital to the world, said Mr. J. L. S. Steel at the annual dinner given by the management of Imperial Chemical Industries, Ltd., to foremen of the Billingham division. If that production increase was achieved, as he expected it would be, the industry would be playing its part in maintaining and increasing the living standard of everyone in the country — a possibility envisaged by the Chancellor of the Exchequer recently. Over £100,000 is being spent by I.C.I. on a new engineering school at its Billingham plant. It will be ready for use in June.

Export Control Order

PREVIOUS AMENDMENTS CONSOLIDATED

THE Export of Goods (Control) (Consolidation) Order, 1955 (published as S.I. 1955, No. 518), which comes into effect on April 12, incorporates the 1954 Consolidation Order and subsequent amendments. No change is made in the law but certain simplifications have been introduced in the new Order. In the First Schedule, goods subject to export licensing control to all destinations are marked with the letter A. Goods not so marked are free from export licensing control to the British Commonwealth, the Irish Republic and the United States of America. The Second Schedule lists the destinations for which all goods are subject to export licensing control.

Glass Industry Research

NEW ASSOCIATION BEGINS WORK

THE British Glass Industry Research Association, which was registered as a company in October 1954, has taken over, from April 1, the glass research work formerly carried out by the Department of Glass Technology of Sheffield University. Dr. R. G. Newton has been appointed Director of the Association and Dr. D. K. Hill, Assistant Director. The Research Association and the Department of Glass Technology are being separately administered, although they are sharing the same University buildings at Elmfield, Northumberland Road, Sheffield, 10.

SCOTTISH NEWS

Making of Rubber BROADCAST TO SCHOOLS

THE Scottish Service of the B.B.C. broadcast recently a twenty-minute schools programme on industry in Edinburgh. A substantial part of the programme was based on a visit to the works of the North British Rubber Co., Ltd., the largest factory within the city. The narrator described the operation of mixing the rubber as it comes from Malaya, with the various chemicals used in its manufacture for rubber products. The children were given a vivid word- and sound-picture of the manufacture of various products.

NEWS IN BRIEF

AN Order published as S.I., 1955, No. 450, exempts mono-tertButyl-4-hydroxyanisole, secbutyl alcohol, crotonic acid and silicon tetrachloride from Key Industry Duty for the period March 28 to August 18.

MEMBERS of the Blackpool branches of the National Association of Women Pharmacists and the Electrical Association for Women recently visited the premises of Beecham (Northern), Ltd., St. Helens (now Beechams Pharmaceuticals, Ltd.).

ARRANGEMENTS similar to those made by the Minister of Health for the use in England and Wales of National Health Service facilities by Service personnel (see C. & D., February 20, p. 220) were made applicable in Scotland from April 1.

RECENTLY issued Board of Trade figures show that sales of chemists' goods by large retailers were 10 per cent. higher in 1954 than in 1953, and that independent retailers showed an increase of 4 per cent. during the same period.

THE Board of Trade is considering an application for an increased protective duty on synthetic potassium nitrate, and asks that representations on the matter should be addressed, in writing, to the Board of Trade, Industries and Manufactures Division, IA Horse Guards Avenue, Whitehall, London, S.W.1, not later than April 30.

EVIDENCE is being invited by the committee set up by the Minister of Health and the Secretary of State for Scotland to estimate the future number of medical practitioners and the appropriate intake of medical students. Persons or organisations should send their views in writing to the committee's secretary, Mr. Phillip Muston, Ministry of Health, Savile Row, London, W.1.

SPORT

Golf.—South London and Surrey Pharmacists Golfing Society, opening meeting of season at Shirley Park golf club, Croydon; on March 30, Stableford competition: Winner, M. Lewis, Mitcham, 36 points; Runner-up, G. Penman, Wimbledon Park, 32 points; Third, G. Philps, Langley Park, 31 points, Visitors' prize: Winner, R. Muddle, Shirley Park, 34 points; Runners-up, P. Cooke, Coulsdon Court, 31 points; G. Sharmer, Mannings Heath, 31 points.

EDINBURGH CHEMISTS' GOLF CLUB: Winner foursomes final:—W. S. Thomson and A. M. Dinwoodie beat J. E. Budge and H. Campbell by 3 and 2.

TOPICAL REFLECTIONS

By Xrayser

A Grateful Flavour

The scientific methods adopted today to render drugs and chemicals more palatable, particularly to children, are well illustrated in the special article on p. 376. In bygone days it was sufficient to try to mask any unpleasantness, without any attempt to relate the medicament to the type of flavouring used. The comprehensive investigations described by the writer of the article indicate how important this particular aspect of the presentation of medicines has become, and the art is now one of "blending." The use of aromatic waters is of long standing. The earlier pharmacopæias, in the seventeenth and eighteenth centuries, recognised the flavouring and carminative properties of cinnamon water, for example, which could be made by steeping the bark in water before distilling, or by distilling a maceration in equal parts of spirit and water. The older family herbals were conscious of the ill-taste of some of the products recommended, and suggested the addition of sugar or honey, or perhaps the juice of an orange. Other preparations so used included syrup of clove pink and spirit of nutmeg. Conserve of violets, made by beating the flowers with sugar, is described as having a grateful flavour—the adjective illustrating that happy facility of our ancestors for the mot juste.

Efficient Production

Your summary of the report on the drug industry, produced by the British Productivity Council (p. 367) illustrates the efforts being made to improve efficiency by securing collaboration between manufacturers, and by improvements in plant and packaging. It is probably to be expected that increasing efficiency will be more noticeable in the larger concerns, and it may be that the future will see a greater concentration of actual manufacturing, while many of the smaller houses will become little more than wholesalers of preparations produced elsewhere. One would not expect to find in the scope of such a report any mention of the pharmacist, whose connection with the products really only begins where the report leaves off. Yet the feeling is left with me that the inquiry and its results are concerned solely with the viewpoint of the interests concerned, on the implied understanding that what is good for the manufacturer is ipso facto good for the consumer also. For example, on the question of packaging, I had occasion this week to use the products of more than one of the firms mentioned in the appendix to the report, and I find that it is customary to pack syrupy preparations in screwcapped bottles, so that it is sometimes necessary to break a beautifullyproduced moulded cap in order to effect an entrance to the contents. That may spell efficiency in production, but it causes irritation to the consumer. Then there is displayed in the report a sense of satisfaction at the change to metric working. I do not doubt the value of this innovation from the manufacturer's point of view, but it compels the customer to buy in one system and sell in another. It results in the receipt of quantities which are generally in excess of the volume of the shop-round or drawer, with a consequent untidy collection of small quantities in wholesale containers. Yet I cannot feel that it would be efficient if I, for my part, were to refit the whole pharmacy to suit the policy of the manufacturers. The customer is sometimes right.

Stocktaking

Many pharmacists up and down the country will be on the threshold of a new financial year, and will have been engaged, either themselves or by proxy, in the taking of stock. Each year shows a flickering panorama of new products, which demonstrate the assiduity of the medical propagandist, the fickleness of the physician, and the forbearance of the pharmacist. Professor Dunlop said recently that doctors should attempt to educate the public in rational therapeutics, instead of pandering to their primitive desires. My desire, sometimes primitive and savage, is to administer personally to the doctors concerned the relics of their apostasy.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. J. R. BEVINS (Parliamentary Secretary, Ministry of Works) told MR. PETER FREEMAN on March 29 that there was no truth in allegations that the Medical Research Council had in some cases paid the cost of the defence and the fines when people had been before the courts on cat-stealing charges.

Merchandise Marks Acts Prosecutions

MR. PETER THORNEYCROFT (President of the Board of Trade) told MR. B. JANNER, in a written answer on March 31, that between 1946 and 1951 there were two prosecutions under the Merchandise Marks Acts for applying false trade descriptions, one in 1949 and the other in 1951. Both were successful. There were no prosecutions in 1952 and 1953, but in 1954 there were thirteen, of which ten were successful. So far there had been five prosecutions in 1955 of which four had been successful.

Non-industrial Employment Bill

The Non-industrial Employment Bill received its second reading in the House of Commons on April 1. Bill was introduced as a private member's bill by MR. HAROLD DAVIES. Its purpose, he said, was to implement the Gowers Committee's recommendations on conditions of work among non-industrial workers. That committee had been set up in 1946 and had reported three years later. The Bill sought to make statutory provisions relating to the health, welfare and safety of employment other them these thes of employment other than those regulated by the Factories Acts or the Mines and Quarries Act, 1954. It was an astonishing fact that there was this vacuum in British legislation.' The Bill had twenty Clauses and three Schedules and it had been drawn up on the basis of the recommendations of the Gowers Committee. It was in five parts and part 1 dealt with health, welfare and safety in shops, offices, etc. In a recent survey of 465 Glasgow shops it had been shown that only two had separate cloakrooms and washing facilities for employees. The lack of accommodation for the storage of goods was the main handicap to better facilities for shop assistants. There was lack of ventilation and lack of heating. Seating arrangements for shop assistants were poor, while weight-lifting in shops had not been tackled on industrial lines. Twelve million or more workers were unprotected by statutory standards. Was the Government still prepared to dither on that issue?

of that issue?

MR. MALCOLM MCCORQUODALE said that he was anxious to see a bill framed on the lines of the recommendations of the Gowers Committee, and he did not think that there was very much opposition to that view in the House. Whether the present Bill could be amended in Committee to make it practicable he could not say. He thought there should be a separate bill for the agricultural aspect, and for shops and offices.

MR. W. E. PADLEY said that there were shops with no sanitary conveniences or with primitive sanitary conveniences. In a block of offices and shops in Frome no toilet facilities of any kind existed. The shops included a pharmacy.

MAJOR E. A. LEGGE-BOURKE said that he thought that the present Bill should be broken up so that a more rapid improvement in conditions on farms, shops, etc. could be obtained.

MR. D. HEATHCOAT AMORY (Minister of Agriculture) said that the Government considered the subject too wide and complex to be dealt with by a private member's bill. The Government intended to introduce legislation as soon as it could.

Food Colourings

MR. D. HEATHCOAT AMORY (Minister of Agriculture) told DR. A. D. D. BROUGHTON on April 4 that some objections had been lodged against the principles of a restricted list of colours for use in food. He was actively considering what action was required on the report of the preservatives subcommittee of the Food Standards Committee concerning the preparation of an approved list of colours that might be added to food.

Pharmacists in Hospitals

MR. IAIN MACLEOD (Minister of Health) told Dr. B. Stross on April 4 that in August 1954 there were 281 vacancies for basic-grade and sixtyfour for senior-grade pharmacists in hospitals. When asked what he had in mind to remedy the deficiency MR. MACLEOD said "nothing very much at the moment." The main and obvious the moment." question which was being asked was about salaries. That was a matter for the Whitley Council and it was meeting on April 6 to discuss it. He had taken note of the Linstead report. There was no national salary grade for locum tenens pharmacists in the hospital service. It was true that in many cases locums, by and large, got substantially more than the permanent officers. The question of whether there should be national rates for locums would be discussed in the Whitley Council negotiations to which he had referred.

MISS P. HORNSBY-SMITH (Parliamentary Secretary, Ministry of Health) told Dr. B. Stross on April 4 that the Minister was aware that hospital pharmacists were in some cases unable, owing to depletion of staff, to prepare their own injectable fluids, but he was unable to estimate the increased cost to the service on that account.

Poliomyelitis Vaccine

MR. J. R. BEVINS (Parliamentary Secretary, Ministry of Works) told MR. G. DARLING, in a written answer on April 4, that an extensive programme of research on poliomyelitis vaccine was being supported by the Medical Research Council, by the National Fund for Poliomyelitis Research, and by certain pharmaceutical firms. He was advised that all promising lines were being developed.

COMPANY NEWS

Previous year's figures in parentheses

BEECHAM MACLEAN, LTD., is the new title adopted by Beecham Maclean Holdings, Ltd.

LEDA CHEMICALS, LTD. — Dr. Z. E. Jolles has been appointed research director.

JOHN KNIGHT, LTD.—(Subsidiary of Unilever, Ltd.). Net profit after tax is £203,885 (£167,487); tax, £211,121 (£206,332). Dividend, 30 per cent., tax free (against 20 per cent., tax free, in the previous year).

IMPERIAL CHEMICAL INDUSTRIES, LTD. — Dr. J. Craik was appointed chairman of the Nobel division on April 1 in succession to Dr. W. J. Jenkins who retired from the company's service on March 31.

UNILEVER, LTD. — Dr. E. G. Woodroofe has been appointed head of the research division in succession to Dr. H. J. Channon who has resigned. The director of Unilever, Ltd., and Unilever, N.V., responsible for research division and technical division will be Mr. J. A. Connel.

JEYES SANITARY COMPOUNDS CO., LTD.—In the course of his statement circulated with the report and aecounts (C. & D., March 19, p. 310), the chairman (Mr. T. Blundell Brown) said that sales had again reached a new record, being 13 per cent. above those of the previous year. All the principal products shared in this increase.

EVANS MEDICAL SUPPLIES, LTD. — Preliminary consolidated figures of the group for the year ended December 31, 1954, are as follows: Trading and manufacturing profit, £393,827 (£233,426); taxation, £147,336 (£72,904); other charges, £110,506 (£102,618); net profit, £135,985 (£57,904). A final ordinary dividend of fivepence per 5s. share is proposed. Carry forward is £83,430 (£63,641).

New Companies
P.C. = Private Company; R.O. = Registered Office.

KUMAR (LONDON), LTD. (P.C.).
—Capital £1,000. To carry on the business of manufacturers of and dealers in drugs and pharmaceutical preparations, etc. Directors: Shri G. Chandra, Surendra K. Agrawal and Arthur F. Harris (all directors of R. S. Colour Works, Ltd.). R.O.: 91 Belmont Hill, London, S.E.13.

TREEMOND CO., LTD. (P.C.).—Registered in Dublin. Capital £10,000. To carry on the business of chemical and biological manufacturers, etc. Subscribers (each with one share) are: Thomas W. Beattie, 2 Lower Merrion Street, Dublin, and Elizabeth Duncan, 60 Grosvenor Road, Rathgar, Dublin, secretary. The directors are not named.

PREMIER LABORATORIES, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of and dealers in dyes, powders, soaps, ereams, etc. Subscribers: Fanny E. Collingwood and Patrick Collingwood. The first directors are not named. Solicitors: Warren & Warren, 31 Bedford Row, London, W.C.1.

"TRADE RATHER THAN PROFESSION" Dublin High Court's decision on Fair Trade Commission issue

RESERVE judgment was given by the High Court, Dublin, on April 1, on the issue raised by the Pharmaceutical Society of Ireland as to whether the Fair Trade Commission could inquire into matters relating to the compounding and dispensing of medical prescriptions, which the Society held was a professional matter. The High Court discharged the Conditional Order obtained by the Pharmaceutical Society prohibiting the Commission from inquiring into the compounding and dispensing of prescriptions. The Court of three judges held that such activities were not exclusively professional, and could be inquired into by the Commission, which was allowed costs. A stay was granted to enable the Society to consider the question of whether it should appeal to the Supreme Court.

Mr. Justice McLaughlin, in the course of his judgment, said that the object of the Restrictive Trade Practices Act, 1953, was the prevention of unfair or unjust trade practices in relation to goods. He thought it had been sufficiently established that, from the point of view of category or rank in the scale of workers and labourers, intellectual and manual, pharmacists had attained the dignity of professional persons, but he did not think that that disposed of the matter at issue. The word "business" had been held apt to describe the activities of a solicitor, a person of undoubted professional status. The word "trade" connoted to his mind buying and selling of goods, usually in shops, for the purpose of gain. The Pharmacy Acts had many references to the "business of pharmaceutical chemists," and to the keeping by them of "open shops." With a consideration of those matters in mind, he was not satisfied that it had been established that, when a pharmacist was dispensing or compounding a medical prescription, he was exclusively engaged in pursuing a professional activity so as to prevent the Commission from inquiring into the

condition that obtained in regard to the supply and distribution of the medical preparation or their ingredients so dispensed or compounded. For that reason he held that the cause shown by the Commission should be allowed and the conditional order discharged.

Mr. Justice Murnaghan, in a similar judgment, said that, in his opinion, the Commission was not a tribunal to which an order of prohibition might be directed. The Pharmacy Acts spoke of selling or keeping open shop for, amongst other purposes, the retailing, dispensing or compounding of medical prescriptions, which seemed to him to be an occupation more aptly to be described as a trade rather than a profession.

The dispensing of a medical prescription, said Mr. Justice Murnaghan, as he understood the use of the term, in the main entailed the selection from stock of the quantity of the commodity prescribed, and supplying it in a suitable container to the customer. "I cannot distinguish this operation in principle from the normal occupation of an ordinary shopkeeper." Compounding a medical prescription, he went on, required a degree of skill but, in his opinion, what a customer was interested in purchasing was the compounded medicine itself, and not necessarily the skill of the compounder.

At the close of his judgment, Mr. Justice Murnaghan said he was satisfied that, at the end of the nineteenth century, nobody even considered that the occupation of a pharmaceutical chemist should be regarded as a profession. In his opinion the occupation of compounding and dispensing of medical prescriptions was not a profession and could be inquired into by the Commission.

Mr. Justice Haugh concurred with those judgments but declined to express any opinion on whether prohibition did or did not lie against the Commission.

ACQUITTED OF CONSPIRACY But heavy fines in Customs case

AFTER a twelve-day trial at the Old Bailey, London, William R. Warner & Co., Ltd., manufacturing chemists, Power Road, London, W.4, and Piers Grove Eliot Warburton, the company's managing director; Ward, Blenkinsop & Co., Ltd., chemical manufacturers, Henrietta Place, London, W.1, and Edward Bruce Ward, director, were, on April 5, acquitted of conspiring with others to cheat and defraud the Excise of duty on imported drugs by false pretences. Messrs. Warner and Mr. Warburton were found guilty on three charges of being knowingly concerned in the evasion of duty on lucosil pure and tyrothricin in August and November 1952 and May 1953 and not guilty on two similar charges. Messrs. Ward, Blenkinsop and Mr. Ward were found guilty on two charges of making false declarations relating to customs, one charge of recklessly

making an untrue declaration, and two of being knowingly concerned in the evasion of duty on lucosil pure in August 1952 and May 1953. They were found not guilty on three charges of being knowingly concerned in the eva-sion of duty. The prosecution stated that the defendants were concerned with concealing from the Customs payment of a 10 per cent, royalty to a Copenhagen firm of chemical manufacturers. Duty underpaid amounted to "no less than £27,000." Warburton, in the Customs and said the 10 per cent. royalty was paid for the "know-how" concerning the drugs. Ward denied concerning the drugs. Ward denied that he knew anything about the royalty and said there was no truth in the suggestion that he had concealed anything from the Customs. Warburton was fined £4,000 and Warner & Co., Ltd., £8,000; Ward was fined £1,250, and Ward, Blenkinsop & Co., Ltd., £2,500. The companies were ruled liable to pay £1,000 costs between them. The judge said he was satisfied that the defendants had not attempted to make any exorbitant profit out of the transactions. After May 1953 it was a deliberate piece of fraud but he did not regard it as one of those cases that forced him to impose a term of imprisonment on either man. He accepted the fact that the particular device was started originally without any dishonest intention.

INQUESTS

Excess of Insulin.—The coroner at Burton-on-Trent on March 2 recorded a verdict of "death by misadventure" on Sydney Frederick Neal, Manor Crescent, Stapenhill, a sufferer from diabetes, who was found in a collapsed condition and died in the local hospital. It was stated that he was suffering from an excess of insulin, and it was thought that he had given himself his usual daily injection but had taken no food on which the insulin could work.

Cyanide Death.—Said to have had no worries apart from a cold, a 37-year-old pharmacist, Mr. Henry Vernon York. Clifton Common, Brighouse, was recently found dead in the Huddersfield shop which he managed. Later a shop assistant found an empty bottle that had contained poison. Mrs. York said that her husband had been employed by J. B. Wood (Chemists). Ltd., Bridge Street, Lockwood, Huddersfield. He had been in good health and had no financial or domestic troubles. Miss P. D. Cuthbert, assistant dispenser at the shop, said that an empty bottle found beside Mr. York was labelled "acid. hydrocyanicum." The jury returned a verdict that he killed himself by taking poison.

Open Verdict on Married Couple.

At an inquest held at Bradford recently on Albert E. Athey, a steel worker, and Millicent Athey, his wife. Wyke, Bradford, the coroner recorded an open verdict. Mrs. Athey died on December 15, 1954, after she had been questioned by a police officer regarding the death of her husband earlier in the day. In both cases death was due to barbitone poisoning. The coroner said he was satisfied that the death of Athey was caused by barbitone poisoning but not satisfied that it was suicide. He was satisfied that the barbitone had been administered to Mrs. Athey while the balance of her mind was disturbed. It was revealed that Mrs. Athey had obtained double the quantity of sleeping tablets prescribed by her doctor by pretending she had lost the original prescription. The police had ascertained that on December 8, Mrs. Athey had taken a prescription to a Wyke chemist and obtained forty-eight codeine and twentyfour Soneryl tablets, and on December 14 had obtained twenty-four more Soneryl tablets. The coroner was told that Mr. and Mrs. Athey were in debt, and that Mrs. Athey should have paid out at least £131 Christmas club money on the day following her death. She owed relatives and friends money. The only money in the house at the time of the deaths was £40.

BIRTH

INGHAM.—Recently, to Margaret, wife of Roy Sutcliffe Ingham, F.P.S., 38 Scott Lane West, Riddlesden, Keighley, Yorks, a son (Christopher John). Mr. Ingham is managing director of Cavendish Pharmacies (Keighley), Ltd.

DEATHS

CHERRY. — On March 2, Mr. Frederick Cherry, F.P.S., Blackdown, Colaton Raleigh, nr. Sidmouth, Devon, aged eighty-two. Mr. Cherry qualified as a chemist and druggist in 1895 and passed the Pharmaceutical Chemist examination in 1896.

DAVID.—At his home, 59 Cherry Grove, Swansea, Glam, on March 18, Mr. Griffith Thomas David, M.P.S., Mr. David qualified in 1900. He spent some time in Cheltenham and London before commencing in business at Cradock Street, Swansea. One of his two sons is Mr. G. T. M. David (chairman, Swansea and West Glamorgan Branch of the Pharmaceutical Society and a member of the National Pharmaceutical Union Executive).

GALASHAN.—On April 2, Mr. James Galashan, L.P.S.I., 32 Oxford Road, Ranelagh, co. Dublin. Mr. Galashan qualified as a pharmaceutical chemist in Ireland in 1922. He was pharmacist to Meath hospital.

HARRISON.—On March 16, Mr. Ronald Harrison, M.P.S., 282 Staines Road, Hounslow, Middlesex, aged forty-nine. Mr. Harrison was a founder member of the Hounslow Branch of the Pharmaceutical Society and had served on the general and social committees since 1947. He was also a past secretary of the Hounslow Branch of the National Pharmaceutical Union.

KERR.—At his home, 69 Palmerston Road, Dublin, on April 3, Mr. James Joseph Raphael Kerr, P.C., M.P.S.I. Mr. Kerr was a former registrar of the Pharmaceutical Society of Ireland. He was born at Ballycranbeg, co. Down, some seventy-five years ago. He



began his career in pharmacy in Belfast, and later gained additional experience in Londonderry City. He qualified in July 1905. Mr. Kerr opened his own pharmacy in Clones, co. Monaghan, and while there he became a member of the Council of the Society. Mr. Kerr was appointed registrar of the Pharmaceutical Society in 1929, and retired from that office in August 1947. He specialised in the

study of the poisons laws, on which he was one of the foremost authorities in Ireland, wrote several treatises, and gave lectures to the student body.
"J. J.", as he was known to his many friends in the profession, was a man of wide interests. From his apprentice days photography and cinephotography fascinated him and he became expert in both. He was always a keen craftsman in woodwork and cabinetmaking, and from his home workshop turned out many fine pieces. Historical and archæological subjects, especially those allied to pharmacy, claimed his attention, and some years ago he delivered a number of lectures to the Old Dublin Society. He was an active member of the 5th Northern Division of the Irish Republican Army. Kerr did pioneer work in establishing the Irish Pharmaceutical Pilgrimage to Lourdes in 1939, which received the approbation of the then Archbishop of Dublin. For his long and meritorious service as a brancardier at the famous shrine, Mr. Kerr received the silver medal of the Hospitalité de Lourdes. medal of the Hospitalite de Lourdes. The pharmacy branch of the St. Joseph's Young Priests' Society also received his generous support. His passing leaves a big void amongst the older generation of Irish pharmacists who witnessed such great changes in the practice of the profession within the first half of the twentieth century. Mr. Kerr is survived by his widow, two sons and two daughters. A representative attendance of pharmacists from Dublin and district were present at the funeral.

MITCHELL.—At Perth Royal Infirmary, on March 12, Miss Irene Elizabeth Mitchell, aged sixteen months, only child of Mr. Graham Mitchell, M.P.S., Craig Rossie, Letham Road, Perth.

MORGAN.—On March 16, Mr. Henry Jones Morgan, M.P.S., Medical Hall, Somersham, Huntingdon, aged seventy-three.

MORGAN.—At 6 Victoria Road, Leamington Spa, Warwicks, on March 14, Mr. Henry Brunt Morgan, F.P.S., aged eighty-six. Mr. Morgan qualified as a chemist and druggist in 1891 and passed the Pharmaceutical Chemist examination in 1895. He was a demonstrator at the Liverpool School of Pharmacy and subsequently practised pharmacy in Britain, Italy, and the Far East. He was pharmacist to the Church Missionary Society hospital and medical college, Hangchow, 1901–11. Mr. Morgan is survived by his widow, one son and two daughters.

MUNT.—On March 12, Mr. James Bevans Munt, M.P.S., 128 Rhyddings Terrace, Swansea, Glam, aged sixtyeight.

SANT.—On March 15, Mr. Ernest Sant, 27 Campbell Road, Stoke-on-Trent, Staffs, aged eighty-six. Mr. Sant qualified as a chemist and druggist in 1891.

STUBBS.—On March 22, Mr. Harry Lancaster Pattison Stubbs, M.P.S., 155 Cheriton Road, Folkestone, Kent, aged seventy-three.

THOMAS.—At his home, 6 Penrallt Street, Machynllcth, Montgomerys, on

March 27, Mr. John Thomas, M.P.S., aged seventy-five. Mr. Thomas was the fourth generation of his family to carry on a pharmacy in the district. The business was established in 1796. He was elected to the Machynlleth urban council in 1932, was a former chairman, and a councillor when he died. A keen antiquarian, he had a large collection of rare articles including china, Welsh shawls and historic documents. He is survived by his widow, a son and a daughter. Mr. Thomas provided the material for a paragraph in "Onward from Galen" in the C. & D., January 1 (p. 14).

THORNE.—On March 23, Mr. A. E. Thorne. Mr. Thorne was Midland area representative of Gevaert, Ltd. He joined the company in 1929 and after a few years in the London office he was appointed manager of the Dublin depôt, where he remained until the outbreak of the 1939–45 war. After the war he returned to the London office where he worked until January 1949 when he was appointed representative in the Midland area.

January 1949 when he was appointed representative in the Midland area.

A colleague writes: Mr. Thorne was greatly respected by all who knew him, and his cheerful manner endeared him to everybody.

PERSONALITIES

MR. F. G. HILL, M.P.S., Middleton-on-Sea, Bognor Regis, Sussex, reached the final of the Bognor Regis chess club's knockout tournament and was defeated in a closely fought game.

MR. ARTHUR JAMES, M.P.S., Felpham, Bognor Regis, Sussex, is chairman of the fund committee responsible for the building of a village hall being opened in May.

MR. HENRY IRVING, M.P.S. (chief pharmacist, Manchester and Salford Hospital for Skin Diseases), who is retiring after forty-seven years at the hospital, was recently presented with a silver rosebowl, an electric razor and a fountain pen given by the medical and other staff.

BUSINESS CHANGES

SCHERK, LTD., have removed to 66 Victoria Street, London, S.W.1.

S. HUDSON, LTD., is the new title adopted by John Wood, Ltd., 164 Poulton Road, Wallasey.

AEROGRAPH CO., LTD., have transferred their sales division head-quarters to 47 Holborn Viaduct, London, E.C.1 (telephone: City 4361).

Appointments

GLAXO LABORATORIES, LTD., Greenford, Middlesex, have appointed Miss F. J. Peake, B.Sc., a technical assistant in their veterinary department.

E. DAVIDS & CO., LTD., 378 Essex Road, London, N.1, have appointed Mr. H. F. Blackborow their representative in London north of the Thames, Middlesex, Hertfordshire and Essex.

GEVAERT, LTD., Acton Lane, London, N.W.10, have appointed Mr. K. Greenhalgh of their inside staff to be their representative in the Midlands in the place of the late Mr. E. A. Thorne.

NEW PRODUCTS AND PACKS

Cream-powder Compact. — Dixor, Ltd., St. Leonard's Road, London, S.W.14, are marketing a new product, Velpuff, which is described as "a perfect cream base with the softest, finest powder." The 2\frac{1}{4}-in. diameter pack is mounted on a card for easy display. There are three shades: Fascination (natural); Enchantment (rachel); and Mystic Touch (peach).

A New Rouge.—Luft Tangee, Ltd., 329 High Holborn, London, W.C.1, makers of Tangee products have introduced a new shade of rouge: Old rose. The shade was decided upon after extensive market research, and the makers claim that "it's sure to find a big market, because it's made for one." Tangee old rose rouge is issued in cartons of one doz.

Spray Bottle and Hair Glitter. — Ford, Jackson & Co. (Sales), Ltd., 129 Carlton Street, Castleford, manufacturers of Anita's hair lacquer, have introduced a new polythene side spray to use with the lacquer. They have also introduced a new "hair glitter" in silver, gold, blue, green and bronze shades. The "glitter" is packed in a display outer holding two doz. assorted.

Eight Shampoos Per Bottle. — Described as "not just another shampoo" but a "new development in hair hygiene," Loxene medicated shampoo is sold in a cartoned plain square bottle holding enough for eight shampoos. It is claimed to eliminate dandruff and regulate both over-dry and over-greasy hair. The makers are F. W. Hampshire & Co., Ltd., Sunnydale, Derby.

Mealtime Set.—A child's mealtime set (mug and small bowl in polythene) has been added to the Halex nursery-



ware range. The set is in blue, pink or lemon. The makers are the Halex Division of the British Xylonite Co., Ltd., Highams Park, London, E.4.

A Smaller Hot-water Bottle.—A new and smaller version of the standard-Cosimax hot-water bottle, called the Cosimax Junior, has been introduced by Dunlop Rubber Co., Ltd., general rubber goods division, Cambridge Street, Manchester. The new bottle is in fawn plush and is packed in a

special presentation box; it has been awarded the seal of the Good Housekeeping Institute.

Toilet Water.—A toilet water has been introduced under the name Lotion in the Caron de Paris series of perfumery products. It is presented in a 6-oz. bottle with glazed label and decorative carton in Fleurs de Rocaille, Bellodgia, Narcisse Noir, Tabac Blond and Nuit de Noel fragrances. The distributors are F. & G. Turnpenny, Ltd., 5 Great Winchester Street, London, E.C.2.

Skin Blemishes Covered. — Max Factor Hollywood and London (Sales),



Ltd., 16 Old Bond Street, London, W.I, a re making available for the first time in Britain the "cover - up" preparation Erace, in use for some time in the United States by stars of cinema and television to hide skin and complexion imperfections

"from the merciless scrutiny of the cameras." The product is claimed to conceal complexion faults such as dark circles under the eyes, skin discolorations, broken veins, blotches, etc. Erace is available in fair, natural, medium, deep natural, tan and deep tan shades.

Antimicrobial Therapy. — Pfizer, Ltd., 37 Sandgate Road, Folkestone, Kent, announce "a new and complete" approach to antimicrobial therapy. Two new specialities, Terramycin S.F. capsules and Tetracyn S.F. capsules, are designed as single anti-infective preparations. They associate the antimicrobial action of each of the two broad-spectrum antibiotics with therapeutic amounts of vitamins required by the body during infections. Each contains 250 mgm. of the anti-biotic, together with ascorbic acid, 75 mgm., riboflavin, 2·5 mgm., nicotinamide, 25 mgm., menaphthone (0·5 mgm. in Terramycin S.F., 2·5 mgm. in Tetracyn S.F.). The packs are bottles of sixteen and 100 capsules.

Fluoracetate Derivatives.—Associated Fumigators, Ltd., 122 Victoria Dock Road, London, E.18, have introduced two new fluoroacetate derivatives: fluoroacetamide (1081) and fluoroacetanilide (1082). Fluoroacetamide is a white crystalline solid, m.p. 109° C., very soluble in cold water, and a powerful rodenticide. It has a lower and different mode of toxicity from sodium fluoroacetate, causing milder symptoms, though active enough to replace sodium fluoroacetate as a field rodenticide. Fluoroacetanilide is sparingly soluble in water (about 1

part in 1,000 at room temperature) and is a low-melting solid (75-6° C.) with contact, furnigant and systemic insecticide actions. It is being issued for insecticidal purposes in tablets.

"Tie-up" by Two Manufacturers.—Following a partial "tie-up" in 1954 between Richard Hudnut, Ltd., Power Road, London, W.4, and Kirby Beard & Co., Ltd., on "Golden Blonde" Kirbigrips, a more complete tie-up has been arranged on two new products, one from each company. Messrs. Hudnut have introduced, for the first time in Great Britain, a new Pin-Quick home permanent, and Messrs. Kirby, Beard have produced a new, rustless grip, specifically for use with it. The new grip, named "quick-grip," is safe with the Pin-Quick or any other home "perm," and may be used over and over again. Messrs. Hudnut are recommending "quick-grips" for use with their Pin-Quick home "perms," and Messrs. Kirby, Beard are featuring the recommendation in their advertisements. The final point-of-sale link-up is effected by matching up the design of the Richard Hudnut display material with that of the "quick-grip" pack and display box. Shown side by side on the counter, the two will achieve a double impact as every purchaser of the home "permanent" will require the "quick-grips." The "quick-grips" are issued sixty in a box and may be used many times.



Wrapper recently adopted by J. Bibby & Sons, Ltd., King Edward Street, Liverpool, 3, for their Araby soan.

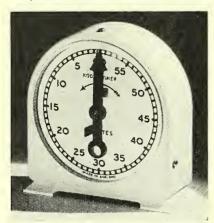
SHOPFITTING NOTES

Chemists' Display Units. — Liddle, Keen & Co., Ltd., 19 Norland Road, London, W.11, manufacturers of chemists' display counters and wall fittings, invite direct orders from chemists. A catalogue is available. Deferred terms are arranged if desired.

Less Tax on Floor Tiles.—A Treasury Order, entitled "The Purchase Tax (No. 5) Order, 1954," reduced from $\frac{5}{8}$ to $\frac{3}{8}$ in. the thickness below which wooden tiles, strips and blocks of a kind suitable for laying on or fixing to floors or subfloors are chargeable. As a result of the Order, wooden flooring tiles, strips and blocks are not chargeable with tax when of a thickness (excluding any backing) of $\frac{5}{8}$ in. or more. The Order does not apply to flooring tiles, etc., of cork, which remain chargeable when less than $\frac{5}{8}$ in. in thickness.

PHOTOGRAPHIC NOTES

Minutes Timer Returns. — Kodak, Ltd., have reintroduced a minutes



timer, which operates a warning bell at the end of any set period up to sixty minutes.

Paper Drying Book. — The Fotonic paper book issued by Ilford, Ltd., Ilford, enables the photographer who makes his own prints to remove surplus water from the surface of prints before drying them, so helping to eliminate uneven drying and "cockle." A trial with the book proved that the Fotonic photographic paper is highly absorbent and fluffless. The booklet has twelve $9\frac{3}{4} \times 12\frac{1}{4}$ -in, pages, field in black covers.

Two New Cameras.—Amplion, Ltd., have made two important additions to their Dacora range of cameras: the Rangefinder Royal, Models I and II. The two cameras are identical in appearance, the difference between them lying in the specifications of lens and shutters fitted. Delivery is initially from stock (but stocks are limited). Specifications are:—Model I: f/4 5 Sunita lens (coated). Pronto 4-speed shutter. Builtin uncoupled rangefinder. Body release. Lever wind. Synchronised for electronic flash at all speeds and bulbs at 1/25. Twelve exposures (2½ x 2½ in.) on standard 120 film. Model II: f/3·5 Ennar, Ennagon lens (coated). Pronto SVS shutter. Fully synchronised for electronic flash and bulbs at all speeds. Built-in uncoupled rangefinder. Body release. Lever wind.

TRADE NOTES

Correction.—Rutanin No. 20 tablets, marketed by Aminon Laboratories, 18 Hill Rise, Richmond, Surrey, are for treatment of hyperchlorhydria, and not as previously stated.

Glycyrrhetinic Acid.—Stafford Allen & Sons, Ltd., Wharf Road, London, N.1, state that they are now producing glycyrrhetinic acid, a compound that is currently the object of increasing interest to the medical profession.

Now in Display Outer.—Potter & Clarke, Ltd., River Road, Barking, Essex, are now sending out Potter's catarrh pastilles in a display outer suitable for counter use. The outer contains one doz. tins and occupies an area of $7\frac{1}{4}$ x $3\frac{7}{8}$ in.

Santon'n Agency.—T. & H. Smith, Ltd., Blandfield Chemical Works, Wheatfield Road, Edinburgh, 11, have been appointed sole selling agents outs de Pakistan for the santonin produced by Kurram Chemical Co., Ltd., Rawalpindi, Pakistan. The factory is again in full production. T. & H. Smith, Ltd., who are the only British shareholders, continue to provide the technical management; the Pakistan Industrial Development Corporation is now a major shareholder.

Packeted Foam Bath — The Jean Sorelle foam or bubble bath, which is currently the subject of a major adver-



tising campaign, is claimed to have a slenderising as well as an exhilarating effect. The makers are Jean Sorelle, Ltd., Turle Road, London, N.4.

New Width and New Carton.—Adaptoplast first-aid dressing has been made available by the manufacturers, Cuxson, Gerrard & Co., Ltd., Fountain Lane, Oldbury, Birmingham, in a 2-in. wide, 1-yd. long size and in a carton of new design with a slot feed. The user pulls out and cuts off the length of dressing required, leaving the cut end protruding for the next use (the flap is tucked over the end of the dressing).

Dry-cleaning P o w d e r.—
Susie's perfect dry cleaner, which is issued in a sprinkler-topped cannister, is claimed to remove grease, oil, food and fruit stains instantly from all fabrics. The manufacturers are Susie's Perfect Cleaner Co., 2 Upper Duke Street, Liverpool, 1.



Summer Showrooms.—In conjunction with their sister company J. C. & J. Field, Ltd., Goya, Ltd., Badminton Court, Amersham, Bucks, are holding two summer showrooms in April. The first is at the Imperial Hotel, Blackpool, on Tuesday and Wednesday, April 19 and 20; and the second at the Grand Hotel, Brighton, on Wednesday and Thursday, April 20 and 21. The showrooms will be open daily from 10 a.m. to 8 p.m.

Tetracycline Packs. — Achromycin (tetracycline), now available for EC10 prescriptions, is issued by the Lederle Laboratories Division of Cyanamid Products, Ltd., Bush House, Aldwych, London, W.C.2, as 50-mgm. tablets or capsules in vials of twenty-five and 100; as 250-mgm. tablets or capsules in vial of sixteen and bottle of 100; for intramuscular use in vial of 100-mgm.; for intravenous use in vials of 250-and 500-mgm.; as oral suspension. cherry-flavoured, in 1-oz. bottle; as pædiatric drops, cherry-flavoured, in 10-c.c. bottle; and as Spersoids (dispersible powder) in jars of 36- and 75-gm.



WINNING WINDOW: First prize display in contest organised in New-castle-on-Tyne for Ribena blackcurrant juice by H. W. Carter & Co., Ltd. (see C, & D, March 5, p. 252).



FILM STAR AT SALES CONFERENCE: Miss Zoe Newton with Messrs. R. W. Andrews (advertising manager) and C. Leslie Bibby at recent sales conference of J. Bibby & Sons, Ltd., Liverpool.

Till-top Display Unit.—Aspro, Ltd., Slough, Bucks, are going into full-scale production of an enamelled wire unit (illustrated). The unit, in the



familiar Aspro pink and purple, will be ready for distribution within a few weeks. When fixed to the till, by means of two easily adjusted screw clamps, it remains firm, but can be quickly removed if necessary.

Prompt Delivery from Stock.—White glass bottles for all purposes are offered by Gregg & Co. (Knottingley), Ltd., Knottingley, Yorks, who can now promise prompt delivery from stock.

Udder Wash. — Imperial Chemical (Pharmaceuticals), Ltd., Fulshaw Hall, Wilmslow, Manchester, have added I.C.I. udder wash to their range of products for sale to farmers. The wash contains the new bactericide Hibitane, which is effective against the organisms causing mastitis. I.C.I. udder wash is non-poisonous and non-irritant.

Dispensing Packs.—Dispensing packs of 100 and 500 Ascum tablets (see C. & D., January 15, p. 60) are now available as are dispensing packs of sixty and 300 Glycinal tablets (see C. & D., March 5, p. 253), through most wholesalers or direct from the manufacturers, Kumar (London), Ltd., 91 Belmont Hill, London, S.E.13. All orders are executed immediately.

Colouring Discontinued. — E. R. Squibb & Sons, 17 Old Bond Street, London, W.1, announce that they are shortly discontinuing the inclusion of green colouring material in their speciality Tolseram tablets. The omission is being made because many authorities have recommended that tablets should not be coloured if the colouring is not essential. Hitherto

Tolseram (mephenesin carbamate) tablets have been coloured green to distinguish them from Tolserol (mephenesin) tablets. The makers point out that it has been shown clinically and pharmacologically that mephenesin carbamate is superior to mephenesin in every respect, and for that reason the manufacture of Tolserol is being discontinued. The strength of Tolseram remains unchanged.

Shaving Products Competition.—Display cards with entry forms for a £2,000 shaving products competition, organised by D. & W. Gibbs, Ltd., Hesketh House, Portman Square, London, W.1, are now reaching chemists. The prizes include ten B.S.A. motor cycles and sidecars, fifteen bicycles, and over 100 cash awards. They are being given for best entries completing a sentence starting "Gibbs locked in moisture gives a better shave because..." Competitors must send in with their entry forms a carton of either Gibbs

brushless or Gibbs lather shaving cream or of the Easy shaving-stick.

A Beecham Regrouping

FOOD PRODUCTS UNDER SINGLE CONTROL A NEW company, Beecham Foods, Ltd., has been formed to co-ordinate and develop the marketing of Lucozade glucose drink, Ribena black-currant juice, Rosena rose-hip syrup, Quosh cordials, Morton's beans and Morton's garden peas, Murraymints and Murray's chocolates.

The aim of the regrouping is to concentrate and improve the marketing of those products. The new company started to operate on April 4. To inaugurate it, 600 members of the executive and sales force of the group attended a three-day conference in Brighton. On one evening, with Press representatives, other guests and members of the public they were shown one of the Group's commercial Radio programmes.

AWARDS FOR ADVERTISEMENTS

OVER 800 entries were received from advertising agents and advertisers in a contest planned as the first of an annual series for a trophy and awards in five groups presented by C. & E. Layton, Ltd., London (trade typesetters, process engravers, etc.).

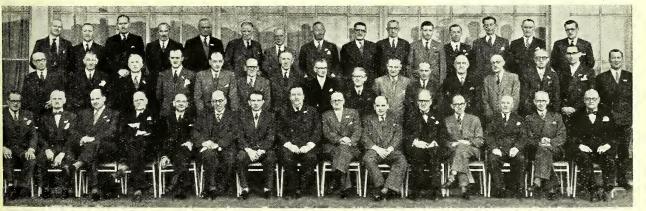
Points System

The basis of the award was "the black and white advertisement which, in the opinion of the panel of judges, is the best produced and published dur-ing 1954." The entries were judged on a system of points given for general layout, typography, illustration and suitability to subject matter. In group C ("Household and toilet soaps, detergents, cosmetics, perfumery and toilet articles generally" and the award went to Young & Rubican, Ltd. (advertising agents for Nulon hand cream) for the advertisement shown in the next column.



Picture of a lady drying leer hands!

Extra Assessment and the management and the managem



DISTRIBUTORS VISIT MANUFACTURERS: Visitors from the Sanger group of companies photographed during a visit to the works of May & Baker, Ltd., Dagenham, recently.

BRANCH AND ASSOCIATION MEETINGS

DUNDEE

Talk on Photography

ABOUT forty members of the Dundee and Eastern Scottish Branch of the Pharmaceutical Society at a recent meeting heard a talk on photography given by Dr. T. Sprunt. DR. SPRUNT showed numerous coloured slides of Germany and Switzerland.

DURHAM

Progress in Therapeutics

A TALK on progress in therapeutics was given to the Durham County Branch of the Pharmaceutical Society at a recent meeting by Dr. E. W. TAPLEY (Sharp & Dohme, Ltd.). Many of the animal and vegetable products in the old pharmacopæias had been replaced by modern organic compounds with specific action, said Dr. Tapley. Many modern therapeutic agents were dangerous if not used correctly, trouble often arising from their misuse, either in too small doses in the right cases or treatment of the wrong type of case. Examples were penicillin sensitisation and development of resistance, deafness caused by aplastic streptomycin, anaemia from the use of chloramphenicol, and the destruction of some vitamin-absorbing saprophytes by terramycin and aureomycin. Other modern drugs needing great care in use were the anticoagulants (or internal hæmorrhage could result), cortisone and Butazolidin.

SOUTHAMPTON

Incidence and Treatment of Cancer

THE pharmacology of cancer was the subject of an address given by Dr. T. KEITH MORGAN (Royal South Hants Hospital, Southampton) at a meeting of the Southampton Branch of the Pharmaceutical Society recently. Morgan began by defining normal and abnormal growth and said that although no chemical difference could be shown amongst cells in the female breast, for example, some cells de-rived from one particular cell, perhaps quite early in the body development, must be liable to cancerous growth and that could be "triggered off" by a carcinogenic substance or other factors. 2,000 new cancer patients living in Hampshire, Dorset, Wiltshire and the Isle of Wight were treated last year at Bournemouth and Southampton. In other words, there were 1.8 new cases of cancer in the area in 1954 per thousand of the population. The incidence appeared to be increasing to 2 per 1,000, but the increase was linked with the larger number of cases being detected and coming for treatment. Treatment in the early stages might offer an 80 per cent. chance of success but the tragedy was that 60 per cent. of people seeking treatment came too late. The main effort that must be made was to reduce that percentage by educating the younger section of the public, the medical profession and pharmacists to recognise the potential symptoms of cancer, and by dispelling the fear and horror aroused in most people by the thought of the disease. The occurrence of lung cancer had

been shown to be connected with smoking but also could be directly linked with the atmospheric pollution in industrial areas and the proportion of diesel exhaust fumes at different atmospheric levels.

HOUNSLOW

Four Categories of Poisoning

THE various types of poisoning that occurred could be divided into four categories, said Dr. F. E. CAMPS (Home Office pathologist), addressing the Hounslow Branch of the Pharmaceutical Society recently on "The Medicolegal Aspects of Poisons." The categories were, said Dr. Camps, deliberation poison for spicials purposes ately taken poison for suicidal purposes, accidental poisoning, therapeutic death and homicide by poisoning. One of the most common forms of suicide was by taking aspirin. The chief symptom of aspirin poisoning was sweating, and if the urine were tested with ferric chloride, wine colour would be obtained if aspirin was present. Accidental poisoning could be caused by all sorts of articles found in the normal household, for example, lysol. By showing a coloured lantern slide of various coloured, sugar-coated tablets that were frequently prescribed, Dr. Camps emphasised how easily those could be mistaken by young children for a popular brand of sweets. Therapeutic death was sometimes caused by negligence, but a more difficult type of problem was that of the idiosyncrasies of various persons to drugs. Dealing with homicide by poisons, Dr. Camps illustrated his lecture by referring to recent murder cases that he had met in carrying out his duties. He described the various types of barbiturates, and showed by means of lantern slides how people were affected by overdoses of those and other drugs, and how they appeared when mixed in various foods and drinks.

ROMFORD

Veterinary Care of Wild Animals

An audience of both veterinary surgeons and pharmacists heard an address on "Veterinary Attention to Wild Animals in Captivity" given to the Romford Branch of the Pharmaceutical Society recently by Mr. O. G. Jones, M.R.C.V.S. (curator of mammals and veterinary officer, London Zoological Society). MR. JONES said that the health record at the London Zoo was remarkably good, with the sick rate generally at approximately 1 per cent. of the 3,000 animals kept there. Successful animal treatment called for the action animal treatment called for the active co-operation of the owner of the animal both in diagnosis and in the subsequent nursing. So far as the Zoo was con-cerned that was more readily obtained than in private practice. When dealing with the methods of administration of medicaments Mr. Jones pointed out the difficulties of controlling the controlling difficulties of controlling the more fero-cious animals in order that parenteral injections could be given, and described in detail the various pieces of apparatus used. Regarding oral administration, he mentioned the naturally suspicious nature of most wild animals, which

necessitated careful masking of any medicaments that were incorporated in the normal rations for the beast, otherwise the animal, becoming suspicious, would refuse to take its food and could easily die of starvation. One of the main difficulties of diagnosis was the animal aptitude for the masking of symptoms. The question of environment was an important consideration during the treatment and convalescent stages of animal illness. Whilst it was necessary under certain circumstances to move the beast to the sanatorium to carry out the necessary treatment, and possibly to obtain freedom from noise it was generally desirable to get it back into its familiar surroundings of its den and its cage mate in order to speed the return to normal health. Mr. Jones gave details of research which had been carried out to aid the diag-nosis of tuberculosis in monkeys and the treatment of that disease. The lecture was illustrated with lantern slides.

ABERDEEN

Pharmaceutical Education

In the course of an address to the Aberdeen and North-eastern Scottish Branch of the Pharmaceutical Society recently MR. GRANVILLE SHAW, F.P.S., (a member of the Society's Council) gave an account of the various views which had been submitted to the which had been submitted to the Society's Education Committee during the past twelve months on the subject of the Society's education policy. said that pharmacists might be divided into two classes—those in retail and hospital practice, and those in teaching institutions, manufacturing labora-tories, research laboratories, and in administrative work. Both were essential to the modern fabric of pharmacy, and both had a place on the Register of Pharmaceutical Chemists. That dichotomy in practice corresponded roughly to the bifurcation in academic training which took definite shape at the end of the two-year Pharmaceutical Chemist course, when those stu-dents who wished to continue their academic training proceeded to take degrees in pharmacy, and in most cases to make their career in laboratories, and not in retail or hospital pharmacy. Students of that class would naturally prefer to take their practical training in the sphere which they were intending to enter. appeared to be a general consensus of opinion that the period of practical training should be two years whether taken before or after the academic course, except in the case of graduates who had taken the three-year course and wished to enter laboratories, in which case one year might be considered adequate. He thought a good case could be made out for making it compulsory for not less than one year of the two years' practical training to be taken in retail or hospital work. The Council had decided to alter the by-laws relating to the designation of the des nation of fellows of the Society, as the criterion of that award should be not the aspirant's ability to absorb pharmaceutical knowledge, but his proved capacity to advance it.

WEST LONDON PHARMACISTS' DINNER

Guests from all points of the compass



Mr. W. T. Pratt (president, Western Pharmacists' Association) looks on as his sister-in-law (Miss May Peters) receives a bouquet from Mrs. Clifford Evans.

THE annual dinner and dance of the Western [London] Pharmacists' Association was held in London on March 24, Mr. W. T. Pratt (president) in the chair. Judging by the guests with whom the president took wine the assembly was not formed exclusively from the west of London but had gathered from all points of the compass. For among the guests so honoured were Mr. D. Cameron (president, South-east London Chemists' Association) and Mrs. Cameron; Dr. G. R. Boyes (president, South-west London Chemists' Association); Mr. D. C. Evans (president, West Ham and District Association of Pharmacists); and Mr. H. Williams (secretary, Reading Branch of the Pharmaceutical Society). And from the response given to the playing of "Men of Harlech" by the musical quartet that entertained the guests during dinner, it was evident that many of the guests owed an allegiance to somewhere farther west even than Reading.

Only Two Toasts

Apart from the loyal toast, only one other was proposed during the evening. It was to the Pharmaceutical Society and MRS. H. NOBLE (wife of the secretary of the National Pharma-

ceutical Union) proposed it, promising that she would strike a personal and light-hearted note. She had spent many happy years [as a member of the staff] in the Society's rambling building which had a charm, distinction and tradition that could not be transferred to a modern concrete monstrosity. She understood that the pre-





Above, left, Mr. D. C. Evans (president, West Ham and District Association of Pharmacists); right, Mrs. H. Noble (wife of the secretary of the National Pharmaceutical Union) who proposed the principal toast of the evening.



Miss A. P. McBride, Mrs. F. Turner and Mr. J. Scriven Turner (secretary, Western Pharmacists' Association).

sident of the Society and his wife tried to relax in their own home on Sunday but even that relief from duty was not always possible. A Society that could bring forth such devotion to duty must have a heart. "Long may it continue to beat, unencumbered by corsets of steel and reinforced concrete." Responding, Mr. E. A. BROCKLEHURST (president, Pharmaceutical Society) promised that the Council would decide at the end of April whether to proceed with the establishment of a home for retired pharmacists. He appealed for support for the scheme. Mr. J. Scriven Turner (secretary) expressed regret at the absence, through illness, of the president's wife. He asked her sister (Miss Mary Peters), who was deputising for her, to accept on Mrs. Pratt's behalf a silver rose bowl as a token of the esteem of the Western Pharmacists' committee. A comedienne and dancing trio provided entertainment at intervals during the evening. Dancing continued until midnight.

RESEARCH DONATION

Drug industry praised

£65,000 has been contributed so far by pharmaceutical firms to help run the research department of the faculty of anæsthetists. That was announced by Dr. Bernard Johnson (dean of the faculty of anæsthetists, Royal College of Surgeons) at the seventh anniversary dinner of the faculty at the College on March 23. Dr. JOHNSON, replying to the toast of the faculty, said that the council of the College had allocated to the faculty 3,600 sq. ft. of new building for the setting up of a research department. Such a department was costly to run. People with a great sense of responsibility directing the leading pharmaceutical firms had supported the project most generously.

Altruistic Help

They had acted without thought of profit but prompted by a sense of responsibility to the progress of medicine and the assistance of the greatest number of individuals. Glaxo Laboratories, Ltd., for example, did not make a single anæsthetic or analgesic drug, yet they were contributing £2,500 a year for the next seven years. Burroughs Wellcome & Co., who, it was true, made a drug used by anæsthetists but only in trivial doses, had given an assurance of £4,000 a year over the same period. Roche Products, Ltd., were contributing £1,000 a year; Boots Pure Drug Co., Ltd., were also contributing £1,000 a year, and other firms were beginning to come along and contribute what they thought they could afford. Dr. Johnson added that he had no doubt that the fine example already set would be followed by others and the £12,000 ·a year which would be the cost of running the department would be obtained. He gave his assurance that the department would be second to no other in the world. But those benefactors had done more than give financial aid. They had offered the service of their laboratories. That was a wonderful opportunity.

ZINC+CASTOROIL B.P.

311 WFJAR FITTED SEPIA DOUBLE SHELL SCREW CAP Mod. Op. MANUFACTURED FROM HIGH GRADE MATERIAL HOMOGENISED TO MICROSCOPIC FINENESS YOUR OWN NAME + ADDRESS AT PRICES QUOTED Sig

Quantity Discount Prices Zinc and Castor Oil Cream B.P. 1953.

Free from P.T. List 3 doz. 6 doz. 12 doz. 24 doz. 60 doz. l oz. Jars 2 oz. Jars 4 oz. Jars 5/9 5/6 8/6 5/3 8/3 6/-12/3 14/3 13/9 13/3 12/9

TERMS Less 2½% 14 days.

FREE delivered van area. Outside carriage extra at cost.

SAMPLE SENT ON REQUEST.

Operation of Quantity Discount Prices. The prices shown under the various quantity headings can be taken for that product in any combination of sizes. Terms: less 21% 14 days. Free delivery VAN area.

CO.

Manufacturing Chemists

839/841 Harrow Road, London, N.W.10 'Phone: LADBROKE 2201-2-3 'Grams: SKUDENT, HARLES

NIGHTDRIVING GLASSES

the new accessory that every Motorist wants!

Manufacturers: FISH OPTICAL CO. LTD.★ McNeish House, 261 HARROW ROAD, LONDON, W.2
Tel.: CUNNINGHAM 8318 & 8267

Makers of the world-famous 'SUNGARD' Sunglasses

SHAVING BRUSHES

MONOSODIUM GLUTAMATE 99% **PURE**

> GLUTAMIC ACID 99% PURE

GLUTAMIC ACID HYDROCHLORIDE 99% PURE

Sales Department:

RICHARD GRAEBENER

FOOD MANUFACTURERS

Karlsruhe - Germany

"Sweetheart"

"Drinkrite"

DRINKING STRAWS

special SMALL PACKS of 25, 50 and 100 straws. Order now and INSIST on these brands for QUALITY. HYGIENIC DRINKING STRAWS CO. LTD.,

College Road, Fishponds, Bristol

RECOMMENDED FOR NERVES FOR OVER 70 YEARS

Dr. NIBLETT'S NERVE SEDATIVE

Retail price 6s. per bottle including purchase tax.

C. P. NIBLETT 10 LICHFIELD TERRACE, RICHMOND, SURREY
Telephone: RICHmond 3221

INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

Columbus teat bougies



For Retailer, Wholesaler and Manufacturer
ESTABLISHED 1859

Published weekly at 28 Essex Street, Strand, London, W.C.2

TELEPHONE CENTRAL 6565
TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

What the Estimates Foretell

As recently as February a supplementary estimate (C. & D., February 19, p. 194) showed that the ingredient and container costs of Health Service prescriptions had in England and Wales in 1954-55 exceeded the original estimate by about 5 and 3 per cent., respectively. But the estimates for 1955-56 recently published (C. & D., April 2, p. 357) show that, compared with last year's original estimates, the ingredient and container costs are expected to rise in England by 2 per cent. and fall in Wales by 3.5 per cent. That represents a pretty substantial overall fall in Wales compared with last year. Hand-in-hand with the fall in ingredient cost there goes a fall in the oncost payments. Chemist contractors in Wales will, in fact, if the estimates are accurate and we reserve doubts on that-lose about £80,000 in the coming financial year. It would be interesting to know what forces have operated to cause such a drop in costs when in England and Scotland costs are increasing and are expected to continue to do so.

In Scotland the rise in ingredient and container cost is expected to be about 1 per cent. On the other hand the estimate for dispensing fees and rota payments, which reflects the expected number of prescriptions, is down by 1.6 per cent. In Wales dispensing fees are expected to rise by 1.7 per cent. That offsets to some extent the fall in ingredient cost in that country. In England the number of prescriptions is expected to be much the same; in fact a drop of 0.08 per cent. is budgeted for.

Payments in England by patients are expected to increase by 7.7 per cent.; in Wales by 10.2 per cent.; and in Scotland to fall by 1.4 per cent. The last figure fits in nicely with the expected percentage drop in the number of prescriptions (1.6 per cent.) but for the other two countries the two figures do not—as one might expect them to do—tally.

Scottish pharmacists will note the 12.5 per cent. increase allocated to health-centre pharmaceutical services and will contrast it with the 0.5 per cent. increase for the pharmaceutical service as a whole.

Working Conditions in Shops

THE most noteworthy point about the debate on the second reading of the Non-industrial Employment Bill in the House of Commons on April 1 (p. 386) was not its content but the fact that the second reading was carried. The motion was on a Private Members' Bill, and the principal Government spokesman, while declaring

that the Government was in entire agreement with its general objective, advised the House not to vote for it. Members should, he said, await legislation which the Government intended to introduce "as soon as Parliamentary time can be found for it." That there was, in the face of the Minister's advice, a majority in favour of the Bill, suggests that the strength of support for the Bill was greater than the Government had expected. But that is not altogether surprising when it is recognised that nearly half the working population of the country would benefit from the proposals; that the recommendations of the Gowers Committee, on which they are based, have the avowed support of all parties; and that six years have elapsed since the report appeared (after three and a half years' work by the Committee).

It will be recalled that the Committee was charged to inquire into the provisions of the Shops Act relating to closing hours; to make recommendations for regulating the health, welfare and safety of employed persons at places not covered by the Factories or Mines Acts; and for regulating the hours of employment of young persons. It is understood that consultations have been taking place between the Government and organisations that would be affected by the legislation and that, to quote Mr. Heathcoat-Amory, "in a broad sense, I think we have reached a point where there is agreement."

The inference is therefore that, whatever the fate of the Bill which received its second reading on April 2, a measure embodying the principal suggestions of the Gower Committee is likely to be on the Statute Book within the lifetime of the next Parliament.

Pharmacies, and indeed shops as a whole, are but one of many interests the legislation will impinge upon. To the majority of pharmacies, whose standards of staff accommodation are above reproach, it may make little practical difference. There may, however, be some whose standards of heating, ventilation and hygiene are not up to modern standards—there was even mention of pharmacy businesses in the debate. It may be that any proprietors who know or suspect that they are within that category will prefer to take private action in advance of legislative needs, and in that way avoid any undesirable publicity or unpleasantness that may result from a statutory inspection followed by compulsory improvements.

Effects of a Dublin Decision

Upon the correctness or the wisdom of a decision that may become the subject of an appeal it is not for us to comment at this juncture. It is legitimate, however, to stress the importance—wider, possibly, than the boundaries of the Irish Republic-of the decision announced on April 2 by the Dublin High Court (p. 387). Pharmacy, in the words of Mr. Justice Murnaghan, is held to be "an occupation more aptly to be described as a trade than a profession," and Mr. Justice McLaughlin "was not satisfied that, when a pharmacist was dispensing or compounding a medical prescription, he was exclusively engaged in pursuing a professional activity. Since the issue arose out of a conditional order obtained by the Pharmaceutical Society of Ireland restraining the Fair Trade Commission from inquiring into the compounding and dispensing prescriptions as part of its inquiry into alleged restrictive practices by Irish proprietor pharmacists, and since that order is now "discharged," the Commission will presumably, unless the Society appeals, proceed to compel pharmaceutical witnesses to disclose their dispensing costs, fees and overheads. A noteworthy element in the statements of two of the judges was the influence of the factor of development or evolution in the practice of pharmacy. Mr. Justice Murnaghan is reported as having said that "at the end of the nineteenth century nobody even con-

sidered that the occupation of a pharmaceutical chemist should be regarded as a profession," but Mr. Justice McLaughlin that it "had been sufficiently established that, from the point of view of category or rank in the scale of workers and labourers, intellectual and manual, pharmacists had attained the dignity of professional persons." Whether the degree of evolution attained in Great Britain is the same or higher is at present an academic question. May it remain so.

SHARE MOVEMENTS, January to March

BY A FINANCIAL CORRESPONDENT

USINESS and interest in the industrial department of the London Stock Exchange during the first quarter of 1955 continued for a time on much the same scale as during those months of 1954, conditions being generally active and the major trend of share price moves in favour of holders. About the middle of February, however, the most pronounced reaction of the post-war years took place. Factors named as causing it were news as to the sterling position, the Government's decision regarding future hire-purchase business and the raising of the Bank rate from $3\frac{1}{2}$ to $4\frac{1}{2}$ per cent. Some recovery took place subsequently, but with trading and inquiry on a much smaller scale. Informed market opinion was on the lines that no improvement would develop until two present uncertainties—the Budget details and the outcome of the General Election—become clarified.

Drug trade company shares followed the prevailing market pattern in that most prices moved to lower levels, with some recovery from the worst. An exception to the general trend was supplied by Allen & Hanburys £1

Name of Company	January	-March	
£1 Units unless otherwise stated	High	Low	LATEST
· · ·	s. d.	s. d.	s. d.
Albright & Wilson, 5s	32 3	26 11/2	26 1 1 2
Allen & Hanburys, ord	57 6	54 9	57 6
Do. 7% prefd, ord	25 6	24 0	24 0
Ashe Chemical, 1s	1 9	1 6	1 6
Aspro, 5s	19 9	16 9	16 9
Beecham Group, 5s	25 6	22 9	23 11
Beecham McLean Holdings 4% red.			
cum. pref	17 10 }	16 101	16 101
Boots Pure Drug, 5s	32 6	$26 \ 7\frac{1}{2}$	27 71
Do. (Eastern) 6% cum, prefd. A	24 6	23 3	24 0
Do. (Western) 7% A prefd. ord.	27 3	26 9	27 0
Borax Consolidated, defd	110 0	82 6	107 3
British Drug Houses, 5s	12 41	11 3	11 3
Cussons Sons & Co., 2s	$15 7\frac{7}{3}$	13 6	14 0
Dubarry Perfumery, 1s	1 6	1 3	1 41/2
Dufay, 2s	1 2	9	1 0
Evans Medical Supplies, 5s	7 3	5 9	6 6
Gee, Arnold M., 1s	2 3	2 0	2 0
Glaxo Laboratories, 10s	39 0	32 3	32 3
Do. 10s. 8% cum prefd. ord	16 3	15 3	15 6
Greef Chemical Holdings, 5s	16 0	13 6	15 6
Howards & Sons	15 9	15 9	15 9
11ford, 5s	17 9	14 13	14 9
Monsanto Chemicals, 5s	34 9	28 0	28 71
Reckitt & Colman Holdings	40 9	34 6	36 3
Sangers, 5s	14 11	$12 \cdot 10^{\frac{1}{2}}$	13 6
Savory & Moore 5½% red. cum. pref.	19 6	18 9	19 0
Southalls (Birmingham), 5s	10 3	8 6	8 9
Taylors (Cash Chemists), London			
6% cum. pref	23 75	21 9	21 9
Do. (Cash Chemists) Trust, 6%			
cum. pref	23 9	21 9	21 9
Whites (Timothy) & Taylors, 5s	32 0	28 0	28 0
Do. $7\frac{1}{2}\%$ pref	30 41	$28 7\frac{1}{2}$	$28 7\frac{1}{2}$
Yardley & Co., 4s	38 6	37 0	37 0
Do. A, 4s	38 9	37 0	37 0
Do. $4\frac{1}{2}\%$ first cum. pref	18 75	17 9	17 9
Do. $5\frac{1}{2}\%$ second cum. pref	22 9	21 0	22 0

ordinary which closed nearly 2s. better at 57s. 6d. Greef Chemical Holdings 5s. ordinary finished 1s. 6d. higher at 15s. 6d., whilst Cussons Sons & Co., 2s. ordinary finished sixpence better at 14s. Monsanto Chemicals 5s. ordinary continued to be the centre of a regular business and closed about 4s. 6d. against holders at 28s. $7\frac{1}{2}$ d. Regular trading was also completed for Reckitt & Colman Holdings £1 ordinary which closed around 3s. lower at 36s. 3d., after falling to 34s. 6d. in the meantime.

Boots Pure Drug 5s. ordinary finished 4s. 3d. lower at 27s. $7\frac{1}{2}$ d. Albright & Wilson 5s. ordinary were priced 1s. $1\frac{1}{2}$ d. lower at 26s. $1\frac{1}{2}$ d., whilst Aspro 5s. ordinary finished sixpence down at 16s. 9d.

Borax Consolidated £1 deferred continued to be a centre of regular inquiry and finished 1s. 3d. down at 107s. 3d., after having at one time been dealt in much below that figure. Ilford 5s. ordinary closed about 2s. lower at 14s. 9d. Southalls (Birmingham) 5s. ordinary closed at 8s. 9d., after being dealt in up to 10s. 3d.

Lowest-price Group

In the lowest-priced share group, Ashe Chemical 1s. were priced slightly lower at 1s. 6d. Unchanged in that group were Dufay 2s., which finished at 1s., and Arnold M. Gee 1s. at 2s.

Nearly all movements in the preference share section were to lower levels. A feature was provided by Timothy Whites & Taylors £1, $7\frac{1}{2}$ per cents. which closed 1s. 9d. lower at 28s. $7\frac{1}{2}$ d. Savory and Moore £1, $5\frac{1}{2}$ per cents. lost a few pence by closing at 19s.

The adjoining table shows the price ranges during the period under review.

CORRESPONDENCE

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

EXERCISE OF DISCRETION

SIR,—Your leading article of April 2, "Flaws in the Pharmacy Act, 1954," calls attention to the differing scales of fees for members of the Pharmaceutical Society, and suggests how an interpretation of the phrase "regularly in practice" might be obtained. My own experience of the way in which the by-law is applied is probably typical. For the greater part of the year I am living in retirement, but during the holiday season I accept a few engagements as a locum tenens. About eighteen months ago I wrote to the registrar pointing out that, under the terms of the by-law, I appeared to be eligible for payment of the reduced fee of £2 2s. He replied briefly that the full fee of 3½ guineas was due. I then wrote to inquire if any definite period of "practice" had been decided on in order to entitle a pharmacist to apply for the reduction, expressing the opinion that if there is any meaning in words I certainly was "not regularly engaged in the practice of pharmacy." Exercising his discretion the registrar made no reply. Presumably he is still not satisfied that I come under the category of the shorn lamb. A clear ruling on this point is certainly overdue.—HOODWINKED.

To promote discussion, and to provide information on which must be based any effective solution of the problems of pharmaceutical

MAN-POWER, TRAINING AND EDUCATION,

THE CHEMIST AND DRUGGIST presents, in a short series of articles, a survey of the present position and some recommendations for changes

1. THE PRESENT LEVEL OF MAN-POWER IN PHARMACY

By Dominie

THE danger that the number of medical practitioners may be in excess of requirements prompted the Ministry of Health to set up a commission to consider whether the intake of medical students should be restricted. Somewhat paradoxically, anxiety is being expressed in some quarters over a shortage of pharmacists. Is there in fact

such a shortage?

Understaffing in hospitals is undeniable (and almost entirely due to inadequate salary scales). The private retail pharmacist with recollections of difficulty in securing a locum or a manager insists that there is a shortage of qualified assistants. The Pharmaceutical Society and pharmacy teachers maintain that the number of pharmacy students is greater each year and that, as the national percentage of passes remains fairly constant, there is a regular increase in passes at the Qualifying examination. Less than half of the successful candidates are eligible for immediate registration; the remainder have still to undergo practical training. Publication of the pass lists in two parts: (a) Of those eligible for registration and (b) of those who have still to undergo training and/or attain twenty-one years of age, gives a truer perspective than an overall pass list. Few of the Dominion, Colonial and foreign students attending courses in this country are likely to take up permanent residence.

Delayed Entry

The approximate proportion of registrable successful candidates is 45 per cent., of which about 40 per cent. are women. Of the apprenticed men who have qualified, only those with low medical grading are exempt from National Service. Their number can only be estimated, but they are unlikely to exceed 33 per cent. Translated into terms of a pass list of 100 at any particular examination, those figures mean that only eighteen women and nine men would immediately become available. After one year the number would increase to sixty (twenty-two more women and eleven men post-graduate trainees). Two years after the examination eighteen apprenticed pharmacists would be released from the forces, bringing the total to seventy-Three years would elapse before the twenty-two post-graduate trained pharmacists would have completed their National Service—and by that time the original 100 passes would be depleted by the desertion to matrimony of some of the women!

Those figures, of course, exaggerate the shortage of new pharmacists, because each year there are reinforcements of post-graduate trainces and released ex-Service men from earlier pass lists. They do, however, indicate the time lag that occurs between alteration in examination regulations and detectable effect on qualified man-power. The main effects of discontinuance of the one-year Chemist and Druggist Qualifying course are being felt now. With the two-year course and an expanding intake, the number of new

pharmacists will increase, but for some time at a slower rate. The retail pharmacist, busy with his own daily problems, is unlikely to be interested in abstractions of cause and effect. His concern is in obtaining either a manager for a branch shop or a locum. When he does succeed in filling a vacancy he may be distressed at the young pharmacists' lack of practical experience. Unless some fundamental changes are made in the policy of pharmaceutical education and training, private retail pharmacy is likely to continue to experience difficulty in securing qualified assistants. The situation has a number of causes. An expanding population and the far-reaching effects, direct and indirect, of the National Health Service have meant a tremendously increased overall demand on pharmaceutical man-power. Retail practice, with the ultimate aim of proprietorship, was the almost automatic ambition of the majority of entrants until the period following the 1939-45 war. A much wider range of choice is open to the newly qualified pharmacist of the present generation, and it is conceivable that the existing forms of education and training tend to bias his inclinations towards other branches of the profession.

Prescribers' increasing reliance on proprietary drugs and ethical preparations has provided many openings in manufacturing pharmacy for pharmacists interested in formulation, production and analytical control. Hours of employment in such posts are regular and not excessive, the remuneration is reasonable and, with the larger firms, there are also a pension scheme and amenities for communal social and sports activities. The job of medical representative, with its perquisites of a car and expense account and the many opportunities for social contacts has a strong appeal to the young unmarried pharmacist. Many are attracted, despite the present unsatisfactory salary scales, to hospital pharmacy (that applies particularly to the post-graduate trained pharmacist). Wages during training are good, and hospital work is interesting and entirely professional. The present Whitley scales and the long lists of advertised vacancies may be misleading. Many of those vacancies are filled by locum appointments, which are not tied to the scale. A relatively small number of the newly qualified may continue their studies for a higher qualification or go into teaching or research. The remainder are destined for retail. Of those an overwhelming majority are ear-marked for the large national multiples and cooperative societies. Indeed, questions put to the writer's students reveals that, in the absence of family ties or an apprentice-master relationship, permanent employment in private retail pharmacy tends to be viewed as a last resort.

STILL WORKING.—A Waynesburg, Pennsylvania, surgeon who operated on a retired coal miner recently for what had been diagnosed as appendicitis is reported to have found a four-and-a-half-inch clinical thermometer — swallowed thirty-three years ago. It still worked.



We are opening a new shop in the city centre. The site adjoins that of F. W. Woolworth & Co., Ltd., and huilding is shortly commencing on both sites. We enclose preliminary plans, and should welcome your comments on the layout. We have a number of benches which we hope to utilise in the dispensary, but the shop will have to be newly fitted out. Would it be best to buy standard fittings for the shop and employ local labour for dispensary partitions, etc., or would it be better to have all the work done locally? Most of the advertised fittings seem to be lacking in the number of drawers required in a pharmacy. To allow more storage space in the dispensary, can you suggest a fixture that will take tablets, etc., and at the same time hide unsightly ointment jars, etc.?

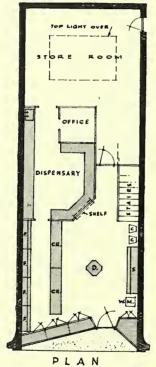
The adjoining plan will, I hope, enable you to arrive at a satisfactory layout for your ground floor. The dispensary and office are in the same positions and cover the same area as on your sketch plan, but I have altered the shape

slightly and re-positioned the office. The dispensary has been shown with a splayed corner, and a ser-vice shelf could be introdueed at that position if desired, so that prepared prescriptions eould passed out to waiting eustomers. Presumably from your first-floor plan you propose to use the upper floor for optical fitting and must provide ready access to the stairs from the ground floor. This is why I have planned the shop front as shown — with the entrance-door situated towards the right-hand side of the shop, thus allowing direct access to the stairs. forms a shopfront That with a long window on the left and a small corner window on the right. long window is divided into three sections by portable divisions so that differentsized windows can be made available to take varying forms of dressing.

Internally, the left-hand wall of the shop is fitted with four stock fittings, each with two service counters in front. On the right-hand wall a showcase fitting is shown with two chairs at

the stairs end and a weighing machine at the window end. A small, shaped centre display-stand completes the shop layout.

The choice of fittings is often a matter of cost. If you buy standard stock fittings from a shopfitter then you must accept the stock accommodation offered by his particular design. If you decide to have fittings made to suit your special stock requirements then your shop would obviously be better equipped than with standard units, but the initial



KEY TO PLAN:—C.: Chair; CR.: Counter; D.: Display; F.: Fitting.: S.: Showcase; W.M.: Weighing machine.

cost of installation would be greater. If you can afford the extra cost, purpose-made fittings are preferable, because they not only increase the efficiency of service, but also give a note of individuality to the shop.

May I have your observations on the efficiency (or otherwise) of tubular electric oil heaters used to control shop-window misting? Do they (1) effectively prevent misting; (2) remove the misting that occurs when window backs have to be opened; (3) remove misting caused at night? The indoor shop temperature is maintained at 60/63° F. The window doors do not fit particularly well, but more efficient doors will not answer the problem, as they have to be frequently opened for the removal of stock at certain periods of the year.

It is not wise to be dogmatic about the use of electric oil heaters to control shop-window misting. They have been successfully employed for the purpose but in other electromstances have been useless. Their value nearly always depends upon the situation of the shop in relation to prevailing winds, etc. In general terms, however, tubular heaters are not the answer to window misting.

The best way to deal with the problem is to keep the air on the inside faee of the glass at the same temperature as on the outside. That is usually achieved with a ventilator in the stallriser and strip ventilators just behind the glazing beads of the window bed, with others either at the frieze head or at the transom rail. Together they create a stream of eold air (or air to the same temperature as that externally) up the inside faee of the glass. If the window has soffit lighting, then the soffit too must also have good ventilation to draw off the heat of the lamps, otherwise they raise the inside temperature of the window and eause eondensation. Tight window enclosures are, of course, essential so that shop heat does not penetrate into the windows.

As you find it necessary to serve from the windows at eertain times of the year I can offer only one suggestion. It is to approach a local electrician and explain your difficulty, asking him if he will let you have a tubular heater on hire for a week. You can then give it a trial in a temporary position in the window. If it is successful, the permanent installation can be carried out by the electrician. If not, the hire charge is unlikely to be more than a few shillings.

SCRIPTPRYCIN

ONCE or twycin

The early days of their release, thinking the week-end order would suffycin

Acquiring stocks, we failed to fulfil a prescription, but since then have been able to supply them in a trycin

Case of need and have a special section of the dispensary devoted to their tastefully coloured cartons which admittedly they look very nycin.

We appreciate that research brings new formulæ and techniques, which should be made available to all, and are

quite prepared to accept the experts' advycin

What is best, our professional aim being to supply what the doctor orders as expeditiously as possible and we pride ourselves that at all times we endeavour to be painstakingly accurate and pharmaceutically precycin

Our dispensing, and from a purely commercial point of view it is this very gamble on what the doctor might or might not prescribe for his patient that makes us different from other retailers and to a large extent can be regarded as what puts the spycin

Pharmacy, but we cannot help wondering, if the continued development of antibiotics increases, whether the whole thing won't get bigger and bigger and eventually completely out of hand (rather like this verse), as we have to take into stock an even greater variety of more and more expensive drugs with long names ending in mycin.

J. J. HAYTON

A MODERN COURSE OF PHOTOGRAPHIC STUDIES

H. BAINES, D.Sc., F.R.I.C., F.I.B.P., HON. F.R.P.S.

12. SUBSTANDARD CINEMATO-GRAPHY: EDITING AND SOUND RECORDING

By C. H. GIBSON

FILM SPLICING

OTION picture films, as they are returned from the processing laboratories, are rarely suitable for immediate presentation on the screen. Professional-type films, other than newsreels, are invariably filmed to a script, and the shooting arranged sometimes far out of sequence for convenience and economy. When the films are returned from the processing laboratories they are still in the original lengths as exposed in the camera. They need to be edited—that is, the scenes assembled in logical sequence and joined together to make the complete film—much as a writer needs to edit his manuscript before publication. Film editing, of necessity, involves cutting the films and "splicing," or joining the ends together to form one long length.

For this purpose, a splicing machine is used, which registers the two films to be joined so that the perforations are in correct position, cuts the ends to give the necessary overlap, and scrapes the emulsion layer from the overlap of one film so that base may contact base. The films are fused or welded together—not merely held together by an interposed layer of adhesive—the film cement having a solvent action on film base. A well-made splice should be almost as strong as the film base itself.

FILM EDITING

When the technique of making good splices has been mastered, the film can be cut and edited. Film editing is an art, and success in this field depends to a considerable extent on the ability to construct the film story from the material available. It is a subject where the old maxim "Practice makes perfect" finds particular application, and a subject in which the quality of the end product reflects the ability of the maker.

Cutting Copies

In most cases, editing can be carried out on the original films, though great care must be taken to guard against cutting errors and accidental damage. If, however, the films contain scenes of some value, duplicate films or "cutting copies" should be prepared and all rough editing and cutting carried out with those—the original film being matched to the cutting copy at the final stages.

In exceptional cases, when the films contain scenes of

great value, the original films need not be cut at all, the work being carried out on duplicate films, and the final prints being prepared from a master negative copy.

Editing Equipment

Substandard film editing can be successfully carried out with very little equipment—two rewind arms, a splicer and a viewing box are all that is required. The rewind arms are simply gear-driven spindles which hold the film reels and allow the film to be rapidly wound from one reel to the other; the splicer is basically a jig for accurately cutting and holding the ends of the films together whilst they are being joined. The viewing box is merely a simple box supporting a sheet of opal glass in front of a low-wattage electric bulb to enable the film to be viewed against the illuminated surface. A large magnifying glass supported over the viewing box is a great help in identifying any particular frame.

Animated viewers, which project a moving picture on to a small screen in front of the operator, are now available for substandard films. Though not strictly necessary for successful editing, they are of great value if a lot of film editing has to be carried out.

Rough Editing

The projector on which the original is to be projected must be in first-class mechanical condition, and the claw mechanism and film guides thoroughly cleaned before use. The gate mechanism should receive particular attention, and any deposits removed with a soft stylus. A match-stick is quite suitable for removing hard deposits, but in no circumstances should a metal implement be used, otherwise the highly polished surface will be scratched and may subsequently damage the film.

Reversal films, as received from the laboratories, are wound on light-weight projection-type reels. Unless otherwise requested, they have leaders and trailers removed and short lengths of blank film spliced to each end for threading purposes.

If the film has been shot to a script, the films should be projected and identified with the sequence and scene numbers. The film should then be cut into strips each containing one scene, and put away safely ready to be reassembled later. If the film has not been scripted, a list of the scenes should be made and the story built up from those notes before starting to edit the film.

With the story and sequence of scenes decided, "rough editing" may be carried out. First, a length of blank film should be wound on to the take-up reel to act as a leader strip for threading the film on the projector, then the scenes should be assembled in order and the strips spliced together. At that stage the scenes will be in their entirety, and more than likely the shots will be too long, or will overlap in action, or will contain matter that needs to be cut out at the next stage of editing.

Having assembled the entire film the editor should again project it to check the sequence of scenes. Detailed notes made at this stage should give an accurate guide for subsequent "fine editing." Perhaps two or three viewings will be necessary before final decisions can be made as to the best method of presenting the story with the material available

Fine Editing

From the notes made from the "rough-cut" copy, the film can be shaped to near its final form. The scenes should be trimmed, cut, or transposed according to the projection notes until the film resembles the final story.

It is at this stage that a film is "made" or marred. Few films are made that cannot be improved by drastic cutting. The tendency, particularly for the inexperienced is to include, for purely sentimental reasons, scenes that are too long, under- or over-exposed, or which are spoilt by blemishes. Those feelings should be strongly resisted, and

all material that is not up to standard thrown away. At this stage it is a wise procedure to enlist the aid of a second party to give his opinion on how the film could be improved. Such a detached view can usually be regarded as an indication of the attitude of the potential audience.

Final Editing

Rarely will a film be completely satisfactory after the first fine editing, and a few final cuts and alterations made after the viewing of the fine-cut copy may do much to perfect it.

Films prepared without a script almost inevitably contain breaks in continuity that disturb the "tempo" of the film story. Those breaks can often be avoided during the original filming, when "continuity" scenes can be shot to bridge the gaps. For example, a film made during a touring holiday will probably jump from place to place, giving rise to some confusion in the minds of the audience. Such sharp changes may be "bridged" by shooting one or two scenes from the train or car or by filming "leaving and arriving" shots, which can be inserted in the film where necessary.

" Effects"

Film "effects," such as fades, wipes, lap-dissolves, etc., are rather beyond the scope of most cinematographers using cine cameras of simple construction, though camera accessories are available which, when used over the camera lens, give the effect of a "fade-out" or "fade-in."

Such effects are usually inserted in the film at the processing laboratory at the time a duplicate film is being made. Some of the more expensive cameras, however, have special controls, which enable many effects to be produced in the camera at the time of filming. This, however, means that the film must be shot in sequence, otherwise the effects are lost in cutting.

Effects are used in films to create atmosphere and mood. The professional cinema demonstrates how they can be used to enhance presentation and continuity.

THE FADE is produced by slowly decreasing the film exposure until the image disappears. The effect is that the scene becomes slowly darker and darker until the screen becomes blank. The technique, operated in reverse (fade-in), is invariably used to present the first title of the film, and the two are used together (fade-out—fade-in) at intervals throughout the film to indicate the end of a sequence or the passage of time.

THE LAP-DISSOLVE OR MIX is produced by a combination of fading-out, fading-in and partial double-exposure. The scene is first faded-out completely over a certain length of film. The film is then wound back to the point when the fade was started, and the second scene faded-in over the original fade-out. The effect on the screen is of one scene slowly dissolving into the next without any apparent break. Lap-dissolves are often used in film-making for linking scenes in the same sequence, thus producing a smooth transition between one scene and the next without interruption.

WIPES cannot usually be made in the camera and are essentially laboratory effects. They take the form of a sharp line travelling across the screen—wiping out the original scene and leaving a new scene in its place. They can take many forms—horizontal wipes, vertical wipes, vignettes, spirals and others. They are not used often in these days except, perhaps, in the travelogue or advertising type of film, when a series of scenes has to be presented in catalogue form.

THE CUT has already been dealt with. It is, of course, most widely used, and is the most simple effect to achieve. A cut is produced automatically in the camera when the motor is stopped and started again. Because of its simplicity, it is often omitted from the list of effects, though its use is of major importance in film editing.

To cut has quite the opposite effect to the fade and lap-

dissolve. Instead of a slow, smooth transition between scenes, it maintains a high tempo and is usually used to link a series of scenes in the same sequence.

The simple cut may be used to create impressions. For example, a film on road safety would, no doubt, call for a scene showing how an accident could happen—perhaps a girl stepping in front of a bus and being knocked over. Obviously it would not be practicable to have the girl actually run-over for the sake of the film, so a number of scenes would be shot showing the events leading up to the climax—

The girl stepping into the road without looking.

The bus approaching.

Close-up of the girl looking unperturbed.

Big close-up of the bus radiator.

Big close-up of the girl's horror-stricken face.

The girl lying in the road near the stationary bus wheel. When the scenes are edited, they would be carefully "crosscut"—that is, cut accurately and joined together in a series of short scenes in mounting tempo until the climax. In that way the whole sequence would be built up from ordinary straightforward scenes to create the impression of a real accident—all by means of the simple cut effect.

The field of film editing is a study in itself, and only the basic rudiments of the art can be discussed in an article of this nature. Close study of professional films can be of great assistance in appreciating its importance.

Titles

The ideal film is one that can be fully appreciated with the barest minimum of titling, though titles inserted at strategic places throughout the film can do much to simplify a complicated subject or situation. Titles should never break into the story, and should be used only to explain that which is not obvious to the eye, or to provide continuity between one scene and the next. The text should be chosen carefully and should be short, simple and straight to the point. It should never describe the scene but should support it. Topical titles should be avoided as they tend to "date" the film.

The time during which a title should be on the screen is important. If the title is too short, it does not give the audience time to read it; if too long, it tends to break the continuity of the film, thus defeating its own purpose. Approximately five seconds for the first four words and a further half-second for each additional word is found to be about right for titles of average length. Longer titles should be read through at normal speed, then the first half read through again.

The choice of background for titles is almost as important as the text and must be chosen carefully to blend with the film. If the film is in colour the colour of the text and background must be in harmony with the mood and general colour tone of the film.

Simple titles can be made very easily by writing (or preferably printing) the text on a sheet of card of shape and size suited to the field of view and focus setting of the camera lens to be used, then filming the card direct with the camera held firmly on a tripod. Fixed-focus cameras, which cannot normally be focused at short distances, can be fitted with a weak positive lens in front of the normal taking lens to enable them to focus down to a few inches.

More ambitious titles can be made with little extra equipment, most of which can be made from the odds-andends to be found in any home. Fades can be produced by slowly dimming the exposing lights by means of a variable resistance or turning the lights away from the titling easel. Wipes from one title to the next can be made by placing one card in front of the other while the camera is running. When the title is too long to be conveniently placed in one frame, a "rolling" title can be made by printing the text on a strip of paper and then pulling the strip slowly up in front of the camera.

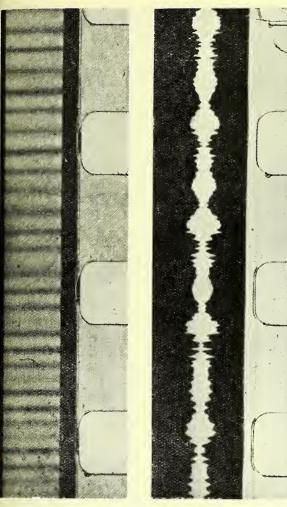


Fig. 1a. Enlarged section of variable-density sound track.

Fig. 1b. Enlarged section of variable-area sound track.

Attractive background effects can be made by printing the text of the title on a clear acetate sheet and filming it against a translucent screen on which coloured lighting effects or a transparency are projected.

Double exposures, illuminated backgrounds, back-projection, overlay work, reverse and stop action are but a few of the many methods open to the enthusiastic cinematographer.

SOUND RECORDING

Synchronised sound for substandard films can be recorded by either of two basic methods—photographically, where the sound is recorded as a silver or silver-sulphide image along one edge of the film, or magnetically, where the sound is recorded as minute changes in magnetic field in a coating of iron oxide applied either along one edge of the film, or coated separately on a plastic or paper tape.

Photographic Recording

Photographic sound tracks take one of two forms: the variable-density track, where the sound is recorded as variations in photographic density; or the variable-area track, where the sound records as a clear line of varying width in the middle of a black stripe. Both types of track can either be made directly in the camera, or recorded separately and later matched to the picture in the laboratory. With professional films the latter course is usually adopted because, in that way, the photographic quality of the sound track can be separately controlled.

VARIABLE DENSITY tracks are recorded by means of a light valve, an assembly in which are mounted two fine ribbons or blades that form a very narrow slit. The sound is picked up by the microphones and is converted into electrical impulses. These are fed, through an amplifier, to the light valve and cause the ribbons to vibrate in opposite directions, thus either opening or closing the slit by an amount depending on the strength of the signal.

Light shining through the slit is focused by a lens on to a reel of sound-recording film, travelling at constant speed past the slit, which is set at right angles to the direction of travel of the film. As the slit opens and closes, the exposure given to the film is varied and, when the film is processed, the image produced by the light appears as a series of light and dark bands, which correspond to the variations in width of the slit (see fig. 1a).

The variable-density type of track is capable of recording sound over a wide range of frequencies. It is, however, dependent on close control of film exposure and processing, to ensure that the variations in density are correct and that, when the film is projected, the sound is accurately reproduced. Lack of such control may lead to considerable loss of sound quality.

VARIABLE AREA tracks are not so critical in this respect, since the recording film need only be capable of producing dense black and clear transparent areas and a sharp division between the two.

The basic equipment necessary for variable-area recording is similar to that required for variable-density recording. Usually the electrical impulses, instead of being fed to the light valve, are fed to a highly sensitive galvanometer, which is mechanically coupled to a mirror. The mirror reflects a small triangular patch of light on to a narrow slit set at right angles to the direction of travel of the film. Minute variations in current from the amplifier cause the mirror to oscillate, thus moving the patch of light up and down in front of the slit. The beam of light passing through the slit therefore varies in width according to the position of the light shining on the slit, and records on the film as a double-edged black line of varying width (see figure 2).

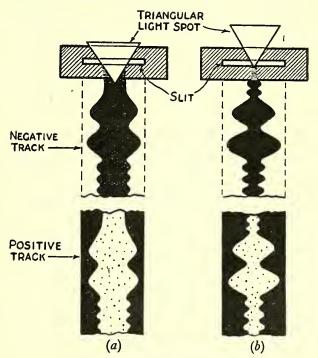


Fig. 2. How a variable-area track is produced.

This particular system results in a negative-image sound track which, when reversed in printing, produces a positive track—i.e., a clear line on a black background (fig. 1b). Varying the shape of the patch of light enables various other track patterns to be produced, either as direct positives

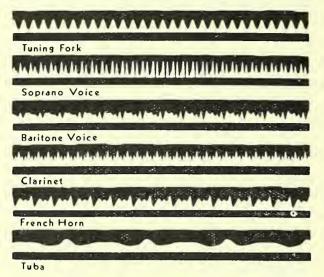


Fig. 3 Enlarged section of variable-area sound track.

or as negatives for subsequent printing. Figure 3 shows a number of single-edged variable-area track patterns produced by well-known sounds.

Sound Reproduction

Sound from the photographic track is reproduced in the sound-head of the projector by means of a photo-electric cell. As the film leaves the picture gate of the projector, it is pulled, at constant speed, past a lamp masked by a narrow fixed slit corresponding in shape to, but slightly narrower in width than, the slit in the recording camera. An optical lens system projects an image of the slit on to the sound track, and the light, passing through the track, is modulated as the film moves past the slit.

A photo-electric cell positioned on the other side of the film receives the modulated light signals and the cell, working in conjunction with a suitable amplifier, converts them into electrical impulses. The impulses are fed to a loudspeaker which, in turn, reconverts them into sound.

Both methods of recording photographic sound tracks are, however, rather beyond the scope of the average cinematographer, whose interests may well be directed to the more recent system of magnetic recording.

Magnetic Recording

The results obtained by recording synchronised sound for films on magnetic iron-oxide coated tracks may be said to compare very favourably, for sound quality, with results obtained from the more orthodox photographic track. The process is comparatively simple and cheap to operate, requires no processing, and the sound can be played back immediately after recording.

Magnetic sound-tracks can be successfully applied to silent films of any age as well as to new films made on both single and double perforated film. Sound can be recorded at the time of filming, or later when the films are projected. The sound records can be erased at will, and a new recording made on the same track.

The most successful method of magnetic sound recording for films is by means of an iron-oxide track actually coated along one edge of the film. This method overcomes the problem—which often occurs when a separate tape is used of maintaining synchronism with the film,

A special sound-head may be fitted to the projector that will either record sound or play it back again. When recording, the film runs first through the projector gate, then passes over the magnetic sound-head, where the iron-oxide

track is guided close to a small electro-magnetic coil. Electrical impulses corresponding to the sound picked up by the microphones pass through the coil and give rise to sympathetic magnetic impulses in the iron oxide coating on the film. Unless erased electrically, the magnetic impulses are virtually permanent, and can be played back many times without loss of quality.

When the film is projected, the magnetic sound track again passes the recording head, but this time the magnetic fields in the track induce electrical impulses in the coil of the head. These are amplified and fed to the loudspeaker, which reconverts the impulses into sound waves.

The magnetic track is usually coated along one edge of the film in place of one set of perforations. Films that have been prepared on double-perforated film can either be duplicated on to single perforated film and the fullwidth track applied to the unperforated side, or can have a half-width track coated along the extreme edge outside the existing perforations. By the latter method, however, the signal/to/background-noise ratio is not so favourable. and a slight loss in quality may be experienced.

Magnetic sound records can also be made separate from the film on coated tape or paper, but several mechanical problems, such as tape-stretch, drive-slip, etc., make it almost impossible to maintain accurate synchronisation between the sound and the action on the screen without the use of special equipment. The method, however, is quite suitable for recording background music and other effects that do not need to be accurately synchronised.

BRITISH FINE CHEMICALS AND THEIR USES

AMMONIUM CHLORIDE

MMONIUM chloride is manufactured along the lines of A the Solvay process of soda manufacture, from the ammonia liquors expelled from gas-liquors ultimately absorbed in hydrochloric acid; by the reaction between ammonium sulphate and alkali chlorides, and by other byproduct systems.

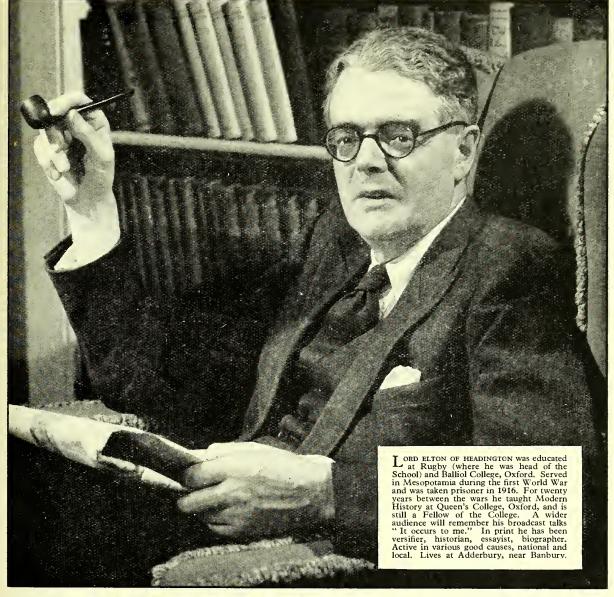
Purification is carried out by sublimation or re-crystallisation. The chloride acts as an expectorant in bronchitis, etc. It is mildly diaphoretic and diuretic, and is used to make the urine acid in the treatment in urinary infections.

It is widely utilised as a flux and is made up with other components for repairing small fissures in blast-furnace water-jackets, while other mixtures are capable of fixing iron to stonework. In the latter capacity a number of proprietary cements are made up with ammonium chloride, sulphur, iron filings and other additions. In the tinning and soldering industries, the use of ammonium chloride keeps the surfaces clean, while, in galvanising, the prepared zinc surface possesses a definite brightness. It has been included in some of the compositions for surface finishing of sheet metal, but has lately been surpassed in that respect by specialised phosphating treatments. Its use in the production of galvanic and other electric batteries is well known. It is also employed in the manufacture of other ammonium compounds, and in making fertilisers. The paint and varnish trades use the crude salt to a limited extent.

Ammonium chloride solutions are engaged in the zincing of copper, and copper alloys, in electro-plating baths, and electro-refining baths. Since ammonium chloride tends to dissociate on dissolving in water and on heating, this property of acting as an acid on steaming is made use of in dyeing and calico printing. It is employed in aniline black dyeing, for fixing sodium aluminate on cotton pieces, and for other uses in the dye-house. It is utilised in candle manufacture, in the preparation of freezing mixtures, and for rapid fixing baths in photography. It is used on the large scale for the precipitation of platinum, iridium,

and other rare metals.

In the laboratory it is used for determining those metals, for retaining certain oxides in solution, in the preparation of magnesia mixture for phosphoric acid determinations, and has been recommended as a standard for the estimation of paids allowed abbridges. The provides of the estimation of paids allowed abbridges. tion of acids, alkalis, and chlorine. The purity of the commercial salt largely depends upon its original source of production. On heating it should volatilise and leave no weighable residue. It is liable to contain arsenic acid. phosphoric acid, heavy metals and earths, sulphuric acid. sulphocyanides, and analine derivatives.



"My Daily Mail" by LORD ELTON

"WITH ME THE DAILY MAIL, like roast mutton and the works of Charles Dickens, has been an acquired taste, for my father, a militant Liberal, barred it from the house, and as a juvenile highbrow I viewed those of my contemporaries who took it in with feelings of amused superiority. But I have read and enjoyed it for many years now, so that to analyse its merits is faintly embarrassing, as it would be to explain one's liking for an old family friend whose features one has long learned to take for granted.

The quality of the Mail's leading articles seems to me remarkable. Few indeed since William Cobbett have been the writers able to convey common sense on political and economic subjects both lucidly and entertainingly to the man in the street, but the Daily

Mail certainly seems to have acquired the art. Nor does it hesitate to talk common sense at moments when common sense is not likely to be popular. Then there is the long-suffering and much-travelled Flook (whose daily saga I have often had to clip and store for an absent member of the household) and Lane Norcott and Collie Knox, who is so vastly more entertaining than the radio and TV performances on which he comments.

But the general character of the paper, as of a human friend, matters more than its particular features. And the Mail is sensible. It is tolerant. It is lively without being sensational. And above all it sets a sorely needed example of decency; if ever a popular newspaper bans every reference to the divorces of film stars it will, I believe, be the Daily Mail."





spásmolytic

BUSCOPAN

HYOSCINE-N-BUTYLBROMIDE

Read

FOR ORAL AND PARENTERAL THERAPY

TABLETS 0.01 Gm. - TUBES OF 20 · BOTTLES OF 100 & 500

AMPOULES OF 0.02 Gm. · BOXES OF 6 & 30

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, APRIL 6: Quiet conditions prevailed in all the markets as the holiday week-end approached. GINGER turned considerably firmer on the spot upon dearer shipment quotations from Jamaica. The No. 3 variety at 300s, per cwt. was 20s, higher than in the previous week.

There was still little Aloes available on the spot and shipment quotations were likewise nominal. Chinese Star Anise was about 5s. a cwt. easier. CAMPHOR POWDER continued short on the spot, but parcels now afloat should ease the position, at least temporarily. With some business done, Portuguese ERGOT was inclined to be firmer and the spot quotation was up by ninepence per lb. The supply position of LIQUORICE ROOT eased with the receipt of large shipments during the week. Holders are now asking 5s. a cwt. less for the natural root from Russia and Anatolia; Persian root was also offered was also officed ex-Liverpool. Block-juice liquorice, however, is still firm and it was believed that prices may soon rise to off-set higher freight rates now operating from Turkey.

It is thought likely that the effect of a recent wage award to workers in the chemical industry and the dearer charges for transport and packaging, etc., can no longer be absorbed by the manufacturers and will soon be reflecin higher quotations more especially for low-priced commodities. Two such chemicals, Sodium Sulphite and Sodium THIOSULPHATE were in fact increased on April 4. The thiosulphate by 15s. per ton and the anhydrous sul-

phite by 30s. per ton. CASTOR OIL, B.P., was quoted £2 per ton lower reflecting the present weak market in India. In ESSENTIAL OILS there were few price changes. LEMON-GRASS was fractionally easier, but PEPPERMINT was unchanged. Although Ceylon Citronella was unchanged on the spot, shipment offers were dearer for the second week in succession. The firmer conditions were probably due to the Far-Eastern situation which caused both the Formosa and Java oils to register a fairly sharp rise. Contributing also to the present firmness in Ceylon may be a recent announcement that the Ceylon Government hoped to make a trade agreement with Russia and other countries behind the "Iron Curtain," for the oil would no doubt be included among the goods which Ceylon could supply.

Pharmaceutical Chemicals

AMPHETAMINE.—Prices (per kilo) for 25kilo lots are as follows:—Base, 160s.; SULPHATE, 130s.; d-Amphetamine, 550s.

AMYLOBARBITONE. — B.P.C. is 65s. per lb. for 1-cwt. lots and Sodium, B.P.C., 70s. per lb.

ANTIMONY SALTS.—Quotations for POT-ASSIUM TARTRATE, B.P., are 7s. 6d. per lb. for 1–10 cwt. and Sodium Tartrate, B.P. 13s. 3d.

Atropine. — Rates (per oz.) for 16-oz. lots are: Alkaloid, 30s. 9d.; sulphate, 25s. 9d.; methylbromide, 31s. 9d.;

BENZOIC ACID.—1-cwt. lots are 2s. 11\fmathbf{1}d. per lb. The SODIUM SALT is 2s. 9\fmathbf{1}d. per lb. in 1-cwt. lots.

BISMUTH SALTS.—The following are the prices (per lb.) in largest bulk packages:—

	1-cwt.	28-lb.	7-lb.	
CARBONATE SALICYLATE SUBGALLATE SUBNITRATE	 s. d. 23 5 22 6 21 8 20 11	s. d. 23 8 22 9 21 11 21 2	s. d. 27 5 26 4 25 6 24 4	

2-cwt. lots are 3d. per lb. less than the 1-cwt. rates. The present 1-cwt. rates for other salts are:—CITRATE, B.P.C., 22s. 8d.; NITRATE, crystal, 14s. 8d.; OXIDE, B.P.C., 27s. 7d.; OXYCHLORIDE, B.P., 27s. 9d.; OXYIODOGALLATE, B.P.C., 28s. 9d. and TRIBROMPHENATE, B.P.C., 26s. 9d.

Brucine.—Alkaloid is from 1s. 8d. to 1s. $9\frac{1}{2}$ d. per oz. and nitrate and sulphate from 1s. 7d. to 1s. $8\frac{1}{2}$ d. per oz.

BUTOBARBITONE.—B.P.C. is 70s. per lb. in 1-cwt. lots.

CARBROMAL. — B.P.C. is 21s. per 1b. delivered in returnable packing. (HLORBUTOL.—28-lb. lots are at the rate

of 10s. per lb.

CHLOROFORM.—1-cwt. lots in winchesters are 3s. 6d. per lb.; 56-lb., 3s. 6½d. In drums, prices are 3s. 4d. and 3s. 4½d.

CITRIC ACID.—Quotations (per cwt.) for domestic material are 205s, for 1-4 cwt. lots and 200s, for 5-cwt. lots.

CREAM OF TARTAR.—Rates for the home trade are now as follows:—1-ton lots, 211s. per cwt.; 10-cwt., 212s.; 5-9-cwt., 213s.; 2-4-cwt., 214s.; 1-cwt., 215s.

CREOSOTE.—B.P. quality ex beechwood, is quoted at from 6s. 9d. to 7s. 6d. per lb.

FORMALDEHYDE. — B.P. solution is 36s. 3d. per cwt. for original 4-cwt. drums. Drums charged extra and returnable.

GLYCEROPHOSPHATES.—Rates per lb. for 1-cwt. lots are as follows:—ACID, B.P.C., 20 per cent., 5s. 9d.; CALCIUM, soluble, B.P.C., 11s. 9d.; IRON, B.P.C., scale, 15s. 9d. and powder, 14s. 9d.; MAGNESIUM, soluble B.P.C., 14s. 3d., and insoluble, 7s. 6d.; MANGANESE, B.P.C., 26s. 3d.; POTASSIUM, 50 per cent., B.P.C., 3s. 9d. and 75 per cent., B.P.C., 3s. 1d. and 75 per cent., B.P.C., 3s. 1d. and 75 per cent., B.P.C., 4s. 6d. GLYCEROPHOSPHATES .- Rates per lb. for

LACTOSE.—English, in 1-ton lots packed in 1-cwt. paper-lined sacks, is £317 per ton, delivered in the United Kingdom.

LITHIUM SALTS. — Current minimum rates (5-cwt.) are as follows:—BENZOATE, 11s. per lb.; CARBONATE, B.P.C., 11s. 3d.; CHLORIDE (commercial), 10s. 9d. to 11s.; HYDROXIDE, 10s. 6d.; CITRATE, B.P.C., 9s.; SULPHATE, 8s. 6d.; SALICYLATE, 9s. 9d. (10-cwt.) delivered. (10-cwt.), delivered.

MAGNESIUM HYDROXIDE.—Makers' prices for B.P.C., are: 1-cwt. lots, 3s. 5d. per lb. and 1-ton, 3s. 2d. per lb.

Mandelic acid.—In 1-cwt. lots the price is 12s. per lb. with the Calcium salt also 12s. Sodium mandalate is 12s. 6d. and AMMONIUM MANDALE 50 per cent. solution, 7s.

SODIUM SULPHITE. — Dearer and 1-ton spot lots of ANHYDROUS (48-50 per cent.) are £63 10s. per ton in 1-owt. drums; CRYSTALS, B.P.C., are £31 per ton in paperlined bags and the commercial crystals, £25 5s.

Sodium thosulphate.—Dearer. Maker's price for 1-ton lots in paper-lined bags is £34 15s. per ton.

Solvents

ACETALDEHYDE. — The 100 per cent. is 140s. per cwt. for drum lots and the 40 per cent., 149s.

ACETATE.—Prices (per cwt.) for drum lots are as follows:—AMYL (technical), 240s. and (B.S. 552: 1950), 242s.; BUTYL (B.S. 551: 1950), 172s.; ETHYL (B.S. 553: 1950), 138s.; ISOPROPYL, 133s.

ACETONE.—Drum lots are quoted at £90 per ton.

BUTYL ALCOHOL (B.S. 508: 1950).—1-ton £237 per ton.

BENZENE. — Thiophene-free is 9s. 0½d. per gall. in 50-gall. barrels and pure, 6s. 0½d. per gall.

BUTYL ALCOHOL (B.S. 508: 1950)—.1-ton lots are quoted at £156 per ton and drums at £159 per ton.

Carbon tetrachloride, B.P. — 1-2 car-CARBON TETRACHLORIDE, B.P. — 1-2 carboy lots are £124 per ton. TECHNICAL, in 40-gall. drums, in less than 1-ton lots, is £78 per ton; 1 ton and under 2 tons, £76 10s.; 2 tons and under 4 tons, £76; 4 tons and upwards, £75.

DIMETHYL ACETATE. — Drum lots are quoted at 163s. per cwt.

Guoted at 1638. per cwt.

ISOPROPYL ALCOHOL.—Standard grade is £80 10s. per ton (5s. 7\frac{1}{4}d. per gall.) in 10-ton lots. Essence grade is from 16s. 3d. to 19s. per gall., as to quantity.

PHTHALATES.—Prices (per lb.) for drum lots are as follows:—DIAMYL, 3s.;

DIBUTYL, 2s. 1\frac{1}{2}d.; D1-ISOBUTYL, 1s. 11d.;

DIETHYL (normal grade), 1s. 11\frac{1}{4}d.; D1-METHYL, 1s. 8\frac{1}{4}d.

Crude Drugs

ALOES. — Prime Cape spot is 305s. per cwt., nominal. For shipment, 282s. 6d., c.i.f.

Aniseed (STAR).—Chinese is 150s. per cwt., in bond and 140s., c.i.f.

ASAFŒTIDA.—Persian block is from £10 to £14 per cwt., duty paid, as to quality.

BALSAMS.—Quotations (per lb.) are:— Canada: spot offers are from 22s. 6d. to 25s. as to holder; no offers for ship-ment. Copaiba, B.P., 11s. 6d. Peru is 11s. 6d., duty paid; forward delivery, 10s., c.i.f. Tolu (genuine as imported), 26s. 6d. spot and 26s., c.i.f.; B.P., 17s. 6d.,

BELLADONNA. -- Root testing 0.42 per cent. is offered at 2s. per lb. and LEAVES testing 0.514 per cent. at 3s.

BENZOIN.—Sumatra block on the spot is from £27 10s. to £32 per cwt.

BISMUTH METAL.—Minimum rate is 16s. per lb.

BUCHU.—Unchanged. Limited offers of new-crop rounds at 3s. 9d. per lb., c.i.f.; afloat, 4s., c.i.f., and spot, 4s. 6d.

CAMPHOR. — B.P. POWDER is 8s, 3d., per lb., duty paid. Afloat is offered at from 6s. 9d., c.i.f., as to position. TABLETS, \(\frac{1}{4}\)-oz. are 7s. 2d., in bond. Synthetic is 4s. 6d.

Capsicums.—East African on stalk are 160s. per cwt. spot. Abyssinian, off stalk, 200s., spot, duty paid.

CASCARA SAGRADA.—American 1954 peel for shipment is 215s. per cwt., c.i.f., London; spot, 250s., duty paid.

CHAMOMILE. — Belgian flowers are 5s. 3d. per lb. on the spot.

CHILLIES. — Mombasa. Spot supplies offered at 380s. per cwt. and shipment, 360s. per cwt., c.i.f.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb.; OOOO, 5s. 3d.; OOO, 5s. 2d.; OO, 5s. 1d.; O, 55s.; firsts, 3s. 5d.; quillings, 2s. 2d.; chips, 7d.

CLOVES.—Zanzibar on the spot are now quoted at 3s. 5d. per lb.; prompt shipment. 3s. 2d., c.i.f.

COCHINEAL,—Small lots of black-brilliant are offered on the spot at 30s, per lb.: black-grey, 22s. 6d.

COCILLANA. — Value of bark is 2s. 9d. per lb. on the spot.

COLCHICUM.—Corms on spot are offering at 2s. 3d. per lb., and seeds, 6s.

ERGOT. — Portuguese on the spot is 15s, 9d. per lb. (shipment, 13s., c.i.f.); Polish, 7s. 6d. (for shipment, 7s., c.i.f.); Hungarian, 12s. 6d.

GALANGAL.—Root is quoted at 70s. per cwt., c.i.f., for shipment, and spot, 85s.

GENTIAN.—French natural on the spot is from 122s, 6d. per cwt. No offers from growers.

GINGER.—African is quoted on the spot at 215s. per cwt.; new-crop for shipment, 205s., c.i.f. and old-crop, 200s. Jamaican No. 3 is now 315s. on the spot and for shipment, 300s., c.i.f.

GUM ACACIA. — Kordofan cleaned sorts on the spot are quoted at 137s, 6d. per cwt.; afloat, 125s., c.i.f.; April-May,

Henna.—Indian is 105s, per cwt, for the green and 72s, 6d, for brown. No offers of Egyptian.

HONEY.—Firm. Australian light-ambor is offered on the spot at from 107s, 6d. to 115s, 6d. per cwt. and medium-amber, 100s. to 118s. Jamaican cleared. No Argentine shipments.

HYDRASTIS. — Root is 17s. 6d. per lb., on the spot.

 Ouiet. Limited spot 1PECACHANHA offers included Colombian at 65s. per lb.; Nicaraguan, 70s. and Costa Rican, 72s. 6d. Colombian for shipment, 64s. 6d., c.i.f.

Karaya. — No. 1 gum on the spot is quoted at 325s. per cwt., and No. 2 at 210s.

KOLA NUTS. — African halves continue short on the spot at about 6d. per lb. Jamaican are offered at 7d.

LANOLIN.—In 1-ton lots the price of ANHYDROUS, B.P., is from 160s. to 165s. per cwt.; 5-cwt. lots from 162s. to 167s. per cwt. Hydrous, B.P., is from 140s. to 142s. for similar quantities. All in drums, carriage paid, U.K.

LIQUORICE. — Supplies and prices of natural whole root are easier on the spot. Quotations for Anatolian are now 70s. per cwt.; Russian at 65s. and Persian, 45s., ex Liverpool. Block juice quotations are 220s. per cwt. on the spot. Italian stick from 310s. to 475s. per cwt., duty raid paid.

MACE. — West Indian pale blade is 9s. 6d. per lb.; shipment, 8s. 10d., c.i.f. MENTHOL.—Chinese is 59s. per lb., in bond and 59s. 6d., c.i.f. Brazilian is 57s.,

Mercury. — Nominal spot value is slightly easier at £108 10s, to £109 per flask of 76-lb. ex-warehouse.

Myrrh.—Aden selected sorts are about £14 10s. per cwt. on the spot. are from £7.

NUTMEGS. — West Indian 80's quoted at 3s. per lb. on the spot and 2s. 8d., c.i.f., for shipment.

ORANGE PEEL.—Bitter quarters are offered at from 1s. to 1s. 3d. per lb.

Papain. — Spot value for East African grade one is from 17s. 6d. to 18s. per lb.

PEPPER.—Easier, White Sarawak on spot is offering at 4s. 1d. to 4s. 2d. per lb.; afloat parcels are 3s. 10d. to 3s. 11d., c.i.f. Black Sarawak is 2s. 11d., spot; afloat, 2s. 8d. to 2s. 9d., c.i.f. Black Malabar is unchanged on spot at 355s. per cwt., c.i.f., is quoted.

PIMENTO.—Spot is quoted at about

PIMENTO. — Spot is quoted at about 6s. 8d. per lb.

Podophyllum. — *Emodi* is quoted at 165s. per cwt., ex wharf. *Peltatum* is now 400s, on the spot.

QUASSIA. — Spot quotations for chips are at about 45s.; April-May shipment is about 32s. 6d. per cwt.

QUILLAIA. — Whole bark to arrive offered at 220s. per cwt., landed terms. - Whole bark to arrive is

RHUBARB. — Chinese is scarce on the oot. Quotations are from 7s. 9d. to 9s. 6d. per lb., duty paid, as to quality.

SAFFRON.—Mancha superior is 215s. per b. Rio selecta about 212s. 6d.

SARSAPARILLA.—Jamaican native red on the spot is about 4s, per lb, For shipment the price is 3s. 8d., c.i.f.

SASSAFRAS BARK.—Selected is 6s. 3d. and natural, 4s. 3d. per lb. landed terms.

natural, 4s, 3d. per lb. landed terms.

SEEDS. — (Per cwt.) ANISE.—Tunisian offered at 280s., duty paid, spot London. CARAWAY.—Dutch quoted 167s. 6d., duty paid and 142s. 6d., f.o.b., Holland. CELERY.—Little business passing at the reduced price of 145s., spot London. CORIANDER.—Quiet. Morocco is offering at 77s. 6d., duty paid (72s. 6d., in bond); Rumanian, 65s., duty paid. Morocco for shipment is inclined to be easier with 55s., c.i.f., quoted for April-May. CUMIN.—Small business passing. Spot, Cyprian 125s.; Morocco, 127s., duty paid. Cyprian is 107s. 6d., c.i.f., for prompt shipment. DILL.—Indian on spot is unchanged at 87s. 6d. FENNEL.—Indian is firmer owing to new-crop shipment price advancing. to new-crop shipment price advancing, From 87s. 6d. to 90s. is now quoted. FENUGREEK.—Morocco has further advanced on spot with 65s., duty paid now quoted. MUSTARD. — English 75s. to 87s. 6d. according to quality.

SENEGA. — Limited supplies offered at from 24s. 6d. to 25s. 6d. per lb., as to holder; no shipment offers.

Senna. — Tinnevelly Leaves (per lb.), prime No. 1, 1s. 1½d.; No. 2 (dry crop), 9½d.; prime No. 3, 8d.; f.a.q., No. 3, 7d.; podds, f.a.q., 7½d.; hand-picked, from 1s, 6½d, to 2s. 10d. as to quality, all on the spot. Alexandrian manufacturing the spot. Alexandrian manufacturing pods, 2s. spot; small lots of hand-picked, 6s. to 7s. 6d.

SERPENTARIA. - Root is offered at 37s. per lb. on the spot.

SHELLAC.—Fine orange, 455s. to 500s. per cwt.; F.O.T.N. pure, 407s. 6d., ex London warehouse.

SLIPPERY ELM. - Grinding quality bark is 2s. 7d. per lb., landed.

STRAMONIUM. — Indian LEAVES are 75s. per cwt. and European 80s, on the spot.

STROPHANTHUS.—Kombé is 7s. and 9s. per lb. as to crop. Gratus is 14s.

STYRAX.—Spot is 5s. 7d. per lb. TONKA BEANS.—Frosted Para are 6s. per

lb. on the spot. TRAGACANTH.—No. 1 ribbon is £160 to £165 per cwt.; No. 2, £125 to £130; No. 3, £110 to £115.

TURMERIC. — Rajapore is easier at 200s, per cwt. on the spot. Madras finger (new-crop) for April-May shipment is firmer at 117s. 6d., c.i.f.

Vanillin. — Rates (per lb.) are 5-cwt. lots, 30s.; 1-cwt., 30s. 3d.; 56-30s. 6d.; smaller quantities, 30s. 9d.

30s. 6d.; smaller quantities, 30s. 9d.

Waxes. — Bees'—Scarce on the spot.
Dar-es-Salaam, spot cleared; shipment,
535s., c.i.f.; Sudanese, 545s., duty
paid and 500s., c.i.f.; Abyssinian, spot
cleared, shipment, 495s., c.i.f., duty paid
nominal and 490s., c.i.f. CANDELILLA.—
Spot is 570s. per cwt. Forward, 570s.,
c.i.f. CARNAUBA.—Prime yellow on the
spot is 850s. per cwt.. shipment, 805s.,
c.i.f.; fatty grey is 525s. on the spot;
shipment, 490s., c.i.f. Montan.—Reibeck,
crude, no spot offers. Spermacett.—Case
lots are about 2s. per lb.

WITCH HAZEL LEAVES.—Firm at 1s. 9d.

WITCH HAZEL LEAVES.—Firm at 1s. 9d. per lb. on the spot.

Essential and Expressed Oils

ALMOND. — B.P. is from 6s. 6d. to 7s. 6d. per lb., as to quantity.

AMBER. — Rectified on the spot is quoted at from 1s. 6d. per lb.

ANGELICA SEED.—Price per lb. is now quoted at 260s.

ANISE.—Chinese is quoted at 19s. 6d. per lb. on the spot and 19s. 9d., c.i.f.

BAY.—West Indian is 12s, per lb. on the

BERGAMOT. — 67s. 6d. per lb. Spot quotations are now

BIRCH TAR.—Rectified is about 14s. per lb. in 1-cwt. lots.

Bots DE Rose.—Scarce. Brazilian is 36s. per lb. on the spot and 35s., c.i.f., afloat. CADE.—Spanish is about 2s. 3d. per lb. on the spot for 1-cwt. lots.

CAJUPUT. — Scarce. Spot supplies are 15s. 6d. per lb. for 1-cwt. lots.

CALAMUS. — Imported oils are offering from 70s, per lb.

CAMPHOR, WHITE. — Chinese is 2s. 9d. per 1b., duty paid.

CANANGA. — Supplies to come forward are quoted at from 55s. per lb., c.i.f. Spot is from 60s. 6d. per lb.

CARAWAY.-English-distilled is offered at 55s. and imported oil at 32s. 6d. per lb.

CARDAMOM.—Price per lb. is from 360s. for English distilled and 295s. for imported.

 Original drums are about CASSIA. 15s. per lb. on the spot.

CASTOR. — In minimum 2-ton lots the price of pharmaceutical quality for prompt delivery is £116 per ton, naked ex mill. For June delivery the price is £114.

CEDARWOOD. - Scarce. Small lots on offer at 10s. 6d. per lb.

CHAMOMILE.—English oil is offered at from 270s. to 288s. per lb.

CHENOPODIUM.—1cwt. lots are 43s. per

CINNAMON. — From quillings, English distilled is quoted at 30s, per oz. Other B.P. oils available down to 90s. per lb.

Ceylon leaf, 13s. per lb., spot. CITRONELLA. — Ceylon is 7s. 3d. per lb. on the spot, 7s. 1d., c.i.f. Formosan, spot, is offered at 12s. 6d., while forward is 12s. 4d., c.i.f. Java is 12s. 6d., in bond, and 12s., c.i.f.

CLOVE.—Madagascar leaf is 12s. per lb., duty paid and 10s., c.i.f., for shipment. Redistilled stem oil from 19s.; distilled bud oil, English, from 35s. to 40s.; imported, 18s. 6d. to 19s. 6d.

COD-LIVER.—B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

Lemongrass.—Spot is quoted at 12s. 6d. per lb. and shipment at 12s., c.i.f.

NUTMEG. — English-distilled 37s. 6d. per lb. Imported oil is 31s. per lb., duty paid for drum lots.

PALMAROSA.—East Indian is 60s. per lb. on the spot and 58s. 6d., c.i.f. for shipment.

PATCHOULI.—Penang is 59s., duty paid, and 53s., c.i.f.

PENNYROYAL. — Spot is scarce with a nominal value of 17s. per lb.

PEPPERMINT. — Arvensis: Chinese is 41s. 6d. per lb. on the spot and c.i.f. Brazilian, 33s., spot, and 31s. 6d., c.i.f. (April–May). Italian "Mitcham" type oil is from 72s. 6d. to 80s., spot, and American 60s. to 65s.

Petitgrain. — Paraguay is quoted for shipment at 26s. per lb., c.i.f., and 28s. 6d., spot, in cases.

Sandalwood.—Mysore is 77s. 6d. per lb., East Indian, 76s.

Sassafras. — Brazilian on the spot is 8s. per lb.

UNITED STATES REPORT

New York, April 5: Tannic acid was increased 20 cents per lb., making the N.F. fluffy \$1.80 and the N.F. powder \$1.70. Brazilian MENTHOL was reported up another 10 cents to \$8.85 per lb. Among Crude Drugs, Chamo-MILE at 90 cents was up 15 cents per lb. Lower were Cocillana Bark at 24 cents (down six cents) and Mexican cut VANILLA BEANS at \$9.00 (25 cents). Higher per lb. among Essential Oils were Bois DE ROSE at \$4.80 (up 30 cents); natural PEPPERMINT, \$7.85 (10 cents) with redistilled at \$8.35.

Synthetics and Isolates

Prices are per lb. in minimum 1-cwt, lots. ACETOPHENONE.— 5s. AMYL ACETATE.— 4s. to 305s. AMYL BENZOATE.—7s. AMYL ACETOPHENONE.— 5S. AMYL ACETATE.—294s, to 305s. AMYL BENZOATE.—7s, AMYL BUTYRATE.—4s, 8d, to 5s. AMYL PHENYL-ACETATE.—10s, 6d. AMYL SALICYLATE.—5s. to 5s, 6d. AMYL CINNAMIC ALDEHYDE.—10s. 6d. ANETHOLE.—27s. 6d. to 36s. ANISIC ALCOHOL.—40s. ANISIC ALDEHYDE (ex paracresol).—20s. to 22s. 6d.; (ex anethol).—50s. to 57s. 6d.

BENZALDEHYDE.-4s. 6d. BENZOPHENONE. BENZALDEHYDE.—4s. 6d. BENZOPHENONE.—9s. BENZYL ALCOHOL, PERÍUMERS:—3s. 5d. BENZYL SENZALE, PERÍUMERS:—4s. 6d. BENZYL BENZOATE, PERÍUMERS:—4s. 6d. BENZYL ISOEUGENOL.—55s. to 67s. 6d. BENZYL SALCYLATE.—7s. to 6s. to 7s. 6d. BENZYL SALCYLATE.—7s. to 6s. PERÍON AND ALCOHOL. 9s. Benzylidene acetone.—15s. Borneol.
—10s. 6d. to 12s. 6d. Bornyl Acetate.—
4s. 3d. to 4s. 6d. Bromstyrol.—32s. 6d.
Butyric acid.—4s. 6d.

CINNAMIC ALCOHOL.—17s. to 17s. 6d.
CINNAMIC ALCOHOL.—6s. CINNAMYL ACEDITTALE.—30s.
CINNAMYL BUTYRATE.—30s. TATE.—23S. CINNAMYL BUTYRATE.—30S. CITRAL.—Depending on quality, from 30s, up to 55s, for 99–100 per cent. CITRONELLOL (ex Ceylon).—27s. 6d.; (ex Java).—37s. 6d. COUMARIN.—19s.

DIETHYL PHTHALATE.—2s. 9d. DIMETHYL YDROOUINONE.—21s. DIPHENYL MEN-HYDROQUINONE.—21s. DIPHENYL MEN THANE.—6s. to 7s. DIPHENYL OXIDE.—

ETHYL BENZOATE.—5s. 6d. ETHYL BUTY RATE.—4s. 6d. ETHYL CINNAMATE.—14s. 6d. ETHYL OF NANTHATE.—17s. 6d. ETHYL SALICYLATE.—4s. 6d. ETHYL VANILLIN.—51s. EUGENOL.—24s. 6d.

GERANIOL. ex Ceylon.—42s. 6d.; ex Java.—30s. to 34s.; ex Palmarosa.—125s. GERANYL. ACETATE, ex Java.—35s. to 37s. 6d.

HELIOTROPINE.—30s. HYDROXYCITRONEL-LAL (perfumers').—45s.; (for soaps).—20s.

INDOLE.—160s. IONONE, 100 per cent.— 60s. ISOBUTYL ACETATE.—4s. 6d. ISOBUTYL BENZOATE.—10s. 6d. ISOBUTYL SALICYLATE. -6s, to 7s. ISOEUGENOL.—28s.

LINALOL.—55s. LINALYL ACETATE.—60s. METHYL ACETOPHENONE. — 10s. 6d. METHYL ANTHRANILATE.—21s. METHYL BENZOATE.—5s. to 6s. METHYL CINNAMATE.—15s. 6d. METHYL PHENYLACETATE.—6s. 6d. METHYL HEPTINE CARBONATE. — 220s. METHYL IONONE.—55s. to 75s. MUSK KETONE.—33s. MUSK XYLOL.—7s. 6d. MUSTARD OIL (art.).—18s. 6d. NEROLIN. PROMERLY. 7s. 6d. NEROLIN.

Nerolin bromelia.—7s. 6d. Nerolin YARA YARA.—7s. 3d.

Paracresyl acetate.—10s. Paracresyl Phenylacetate.—12s. to 15s. Phenylacetaldehyde.—50s. Phenylacetic acid.—6s. Phenylethyl alcohol.—12s. 6d. Phenylethyl al PROPYL ALCOHOL.—16s.

RHODINOL.—185s. to 200s.

SAFROLE.—9s. SANTALOL.—100s. to 120s. STYROLYLENE ACETATE.—12s. 6d.

Terpineol (perfumers').—3s. 6d. to 4s. Terpinyl acetate.—6s. 6d.

VETIVEROL.—350s., nominal. VETIVERYL ACETATE. -375s., nominal.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," March 16

For pharmaceutical preparations for human and veterinary use; and sanitary substances and disin-

fectants (5)
S-MEZ, S-MEZA, 738,324-25, by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1.

For all goods (5)

THERMONA, 738,037, by T. J. Smith & Nephew, Ltd., Hull, Yorks, OMNIFAX, TEMADEX, '738,296-97, by the Wellcome Foundation, Ltd., London, N.W.I.

For scientific, inspecting, measuring, weighing, checking (supervision) and projecting apparatus and instruments (9)

SIGMATIC, 735,927, by Sigma Instrument Co., Ltd., Letehworth, Herts.

From the "Trade Marks Journal," March 23

For powdered silica being a bulking agent for use in manufacture (1)

SNOW FLOSS, 728,320, by Johns-Manville Products Corporation, Delaware, U.S.A.

For mixtures of synthetic resins and anhydrous chemicals for addition to paint products during manufacture (1)

PHENOCET, 734,742, by W. R. Cook & Co. (Paints), Ltd., Darwen, Lancs,

For chemical products used in industry, science and photography, chemical products used in agriculture, horticulture and forestry and preservative preparations (1)

CUNILATE, 735,037, by Cuprinol, Ltd., London, W.1.

For chemical substances for use in agriculture

and horticulture (1)
KANIP, 737,270, by Boots Pure Drug Co., Ltd., Nottingham,

For chemical products used in agriculture, horticulture, and forestry and manures (natural and

artificial) (1)
IALINE, 737,726, by Burt, Boulton & Haywood, Ltd., London, W.C.2.

For all goods (1)

RATIFIX, 738,757, by Sandoz, Ltd., Basle, Switzerland.

For seed dressings (1)

PESTOGAM, 739,024, by Fisons Pest Control, Ltd., Bourn, Cambs.

For preservatives for food (1)

SALVO, 739,052, by W. J. Bush & Co., 1 td., London, E.8.

For all goods (3)

KOPEEN, 733,873, by Glasgow Chemical Co. (1954), Ltd., Glasgow, STA-PUF, 738,594, by A. E. Staley Manufacturing Co., Delaware,

For shampoos (3)

NUTRESSA, 738,912, by Charles Alexander & Co., Ltd., Surbiton, Surrey.

For pharmaceutical preparations for the treatment of poultry diseases (5)
AVISOL, B729,372, by May & Baker, Ltd.,

Dagenham, Essex,

For pharmaceutical preparations and substances (5)

NATISEDINE, 731,502, by Pierre Emile Francois Celestin Vernadeau, Marie Jeanne Isabelle Vernadeau and Mauriee Jean Joseph Goudal,

For insect repelling preparations for personal

KIK, 732,326, by J. R. Geigy, A.G., Basic, Switzerland.

For all goods (5)

SILVAPIN, 733,600, by Pino, A.G., Chemische Fabrik Freudenstadt, Wurttemberg, Germany. SALPIX, 734,644, by Ortho Pharmaceutical Corporation, New Jersey, U.S.A.

For pharmaceutical preparations for use in the treatment of peripheral vascular diseases (5) ARLIDIN, 736,187, by U.S. Vitamin Corporation, Delaware, U.S.A.

For medicated sweetmeats (5)

ZOATS, 736,502, by Delisha Products Co., Dublin, Ireland,

For pharmaceutical preparations for human use and for veterinary use, sanitary substances, medi-cal and surgical plasters, material prepared for bandaging, disinfectants and antiseptics (5) SINTHROME, 734,681, by J. R. Geigy, A.G.,

Basle, Switzerland,

For pharmaceutical and dietetic preparations, but not including medicated pessaries or any goods of that description (5)

SPERSOIDS, 736,029, by American Cyanamid Co., Maine, U.S.A.

For disinfectants, veterinary preparations, insecticides, fungicides, larvicides, germicides and pre-parations for killing weeds and brushwood (5) IALINE, 737,727, by Burt, Boulton & Hay-wood, Ltd., London, W.C.2.

For veterinary products (5)

FANSYR, 738,785, by William Morgan Davies, Hereford.

For air filtering, air circulating and air pumping apparatus, all for scientific purposes (9)
VENT-AXIA, 730,750, by Vent-Axia, Ltd.,

London, S.W.15.

For hearing aids for the deaf (10)

731,140, by FORTIPHONE MONOCELL, Fortiphone, Ltd., London, W,1,

For tooth-brushes (21)

GLEEMO, 738,836, by Thomas Hedley & Co., Ltd., Collingwood, Neweastle-on-Tyne,

From the "Trade Marks Journal," March 30

Fo: detergents for use in industry and in manufacturing processes (1)

LAPEX, 731,828, by Laporte Chemicals, Ltd., London, W.I.

For fatty acids and compounds of fatty acids, being chemical substances for use as emulsifying in the manufacture of food (1)

PALSGAARD, 735,529, by Palsgaard (Great Britain), Ltd., London, E.C.3.

For processed vermiculite for use in agriculture and horticulture (1)

VERMICULAPONICS, 736,096, by World Vermiculite (Proprietary), Ltd., Johannesburg, South Africa.

For chemical products used in agriculture, horticulture, and forestry; and manures (natural and artificial) (1)

SPRINGWOOD, B737,702, by Springwood Laboratories, Ltd., Ashton-under-Lyne,

For all goods (1)

SUPERNATINE, 738,758, by Sandoz, Ltd., Basle, Switzerland.

For non-medicated toilet preparations (3) MACFERLAND, B725,783, by Haugron Cientifical, S.A., Barcelona. Spain, PETAL SKIN, 737,003, by A. J. Siris Products, Ltd., Lanchester, co. Durham, MAJIC BY BANDBOX, B737,248, by Ashe Laboratories, Ltd., Leather-head, Surrey, PANTENE, 737,806, by Roche Products, Ltd., Welwyn Garden City, Herts.

For dental impression materials and substances, dental amalgams, cements, stoppings and filling materials and substances (5)

CAVIT, 728,319, by Espe Fabrik Pharmazeutischer Praparäte G.m.b.H., Seefeld/Obb,

For veterinary preparations, disinfectants, sauitary substances, insecticides, and preparations for

killing weeds and destroying vermin (1)
Device, 724,628, by Drug Houses of Australia, Export, Ltd., London, W.C.2.

For pharmaceutical preparations for medicinal

VITAFORT, 730,398, by Pascoe-Rutter Vitamins, Ltd., London, W.C.1.

For pharmaceutical tonic preparations in tablet

and liquid form for human use (5)
PURITONE, 731,821, by Crowden Products (Pty.), Ltd., Johannesburg, South Africa.

For dietetic foods (5)

GAYELORD HAUSER, 733,024, by Gayelord Hauser, New York, U.S.A.

For pharmaceutical preparations and substances (5)

HYPOSTERIOL, 735,114, by Chimie & Atomistique, Paris, France,

For dietetic foods (5)

ROSARO, 738,222, by 11ag, A.G., Bremen.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, April 11

DUTH SHIELDS PHARMACISTS' ASSOCIATION, Royal Hotel, at 7.30 p.m. Detective-Sergeant T. Barnes on "Mystery."

Wednesday, April 13

LIVERPOOL CHEMISTS' ASSOCIATION and BRANCH, Crane Theatre, Hanover Street, at 7 p.m.
"Here and Now," a play presented by the
East Wavertree Players. Ticket 5s, from Mr.
E, A, Briggs, 255 Woolton Road, Liverpool, 16,

WESTERN [LONDON] PHARMACISTS' ASSOCIATION, Bonnington Hotel, Southampton Row, London, W.C.1, at 7.30 p.m. Annual meeting.

Thursday, April 14

Manchester Pharmaceutical Association and Branch, Council Chamber, Houldsworth Hall, 7.45 p.m. Annual meeting, Discussion on residential home for retired pharmacists,

PHARMACEUTICAL DURHAM COUNTY BRANCH, SOCIETY, Royal County Hotel, Durham City, at 7.45 p.m. Dr. D. Riding (medical director, Evans Biological Institute) on "The Burma Pharmaceutical Industry." And personal film on Burma.

NATIONAL PHARMACEUTICAL BRADFORD BRANCH, Union, Midland Hotel, Bradford, at 7,45 p.m. Annual meeting. Mr. J. McClenahan will give

LEEDS BRANCH PHARMACEUTICAL SOCIETY, Metropole Hotel, Leeds, at 7.45 p.m. Members' night. Mr. R. H. Mascall on "India."

PRINT AND PUBLICITY

Medical Propaganda

MANUFACTURERS' leaflets, folders, booklets, etc., directed to doctors but available to pharmacists. ALLEN & HANBURYS, LTD., Bethnal Green, London, E.2: "Anxine"; "Ethnine" (4-p. folders).

BRITISH SCHERING, LTD., 229-231 Kensington High Street, London, W.8: "Orasecron" (2-p. leaflet); "Albucid Nasal Spray" (letter to doctors).

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19: "Pirevan, Quinuronium Sulphate, B.Vet.C." (8-p. booklet); "Novasorb, Magnesium Trisilicate, For Hyperacidity" (4-p. leaflet); "Nobecutane Wound Dressing" (4-p. leaflet).

GEIGY PHARMACEUTICAL Co., LTD., Rhodes, Middleton, Manchester: "Medical Products" (44-p. booklet); "Eurax" (8 and 20-p. booklets); "Hexamethonium Bromide," "Hexamethonium Chloride" (4-p. leaflets); "Irga-fen, Eye Ointment," "Parpanit," "Irgapyrin. For the Treatment of Rheumatic Disorders,"
"Steroxin Antibacterial and Antifungal
Ointment," "Synopen," "Taoryl, For the
relief of Cough," "Tevex" (8-p. booklets); " Butazolidin " (20-p. booklet).

HERTS PHARMACEUTICALS, LTD., Welwyn Garden City, Herts: "Eucerin Ointment Bases" (24-p. booklet).

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: "M, & B, water-soluble Contrast Media" (eighth edition of 86-p. booklet); "Largactil" (4-p. leaflet).

ROUSSEL LABORATORIES, LTD., 847 Harrow Road, London, N.W.10: "Orencil" (8-p. booklet).

SHARP & DOHME, LTD., Hoddesdon, Herts: "Somnos" (6-p. folder).

THE BRITISH DRUG HOUSES, LTD., Graham Street, London, N.1: "Scorbital tablets," "Ancolan tablets" (4-p. leaflets): "Multivite" (blotter).

Booklets and Leaflets

Barber Electrical Services, Ltd., Leach Street, Birmingham, 16: "Barber Prescription Health Lamps. Pp. 8.

CRODA, LTD., Croda House, Snaith, Goole,

Yorks: "Crill K.3. Sorbital Mono-stearate," "Crill K.1. Sorbital Mono-laurate," "Crill K.16, Sorbital Mono-oleate " (1-p. leaflets).

MININO & CHEMICAL PRODUCTS, LTD. (Bismuth research dept.), 86 Strand, London, W.C.2: "Clinical trials by general practitioners" (20-p, booklet describing an attempt to gain experience in organising clinical trials by the general practitioner).

LEDERLE LABORATORIES CYANAMID PRODUCTS, LTD.

50 mgm. 25 50 mgm. 100

Achromycin capsules

Price Lists

BENGUE & Co., LTD., Mount Pleasant, Alperton, Wembley, Middlesex: Price List, April 1955. Pp. 6.

S. Maw, Son & Sons, Ltd., Aldersgate House, Barnet, Herts: Price list, 1955. Pp. 110; Spring supplement, 1955. Pp. 40

WADE PHARMACEUTICALS, LTD., Springfield Laboratories, Bishopbriggs, Glasgow: Pp. 8.

PHOTOGRAPHIC DEPARTMENT

336 0

C.& D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced;	I.R.P.=	_Inclus	sive	Re	tail Price; *—Tax 25 per cent.; †—Tax	75 per	cent.
ABBOTT LABORATORIES,	LTD.				50 mgm, 100	67	6
18)	Each	I.R.	.Р.		250 mgm. 16	48	3
Nembutal capsules, gr. 1½.					250 mgm, 100	290	3
100	12 0	16	0	R	intramuscular 100 mgm.	8	6
500	55 6	74	0	R	intravenous 250 mgm.	18	3
1.000	105 0	140	0	R	500 mgm.	32	9
5,000	516 0	619	2	R	ointment 3% ½ oz.	7	6
,					1 oz.	13	9
BURROUGHS WELLCOME	& CO.				ointment (ophth.) 1%	13	,
Pipricide worm powder					6 x ½ oz.	11	6
l oz.		5	9	R	oral suspension 1.5 gm.	18	ð
8 oz.		33		R	pediatric drops 10 c.c.	12	3
0 02.		55	v	**	soluble tablets	14	3
ROCHE PRODUCTS, LTD.	(from	April	12	`		67	9
Becosym tablets 100	. (Hom	April 8	6	R	50 mgm, 100		9
500		38	6	R	Spersoids 36 gm.	13	
Becosym forte tablets 100		31	6	R	Spersoids 75 gm.	21	9
500		145		R			
		143	0	K	LUFT TANGEE, LTD.		
Benerva compound tablets		•	_	n	Tangee rouge old roset	2	3
100		3	6	R	rangee rouge old rose;	~	3
500		13		R			
1,000		24	0	R	MAX FACTOR HOLLYWOOD &	LON	DON
					(SALES), LTD.		
NEW PRODUCTS AND PACKS					Erace†	7	9
DUNLOP RUBBER CO., L'	TD.						
Cosimax junior hot-water					PARKE, DAVIS & CO., LTD.		
bottle*		19	11				_
ootiie.		1,			Bardase tablets* 50	6	5
F. W. HAMPSHIRE & CO	LTD				500	55	5
Loxene shampoo*	·, LID.	1	9		PFIZER, LTD.		
Loxette shampoo			,				
IMPERIAL CHEMICAL (PHARMACEUTI-				TT.	Buscopan tablets	7	
CALS), LTD.	(FIIAI	WIACI	CUI	11-	$20 \times 0.01 \text{ gm}$. 5 $3\frac{1}{2}$	7	
I.C.I. udder wash*	Doz.				100 x 0.01 gm. 21 8½	32	
					500 x 0.01 gm. 87 1	130	7 1
20 fl. oz.	72 0 272 0	9 34	0		ampoules 6 x 0.02 gm. 6 6	9	9
1 gall.	272 0	34	U		30 x 0.02 gm. 26 1	39	11
ECTIONAL OF CONTROLS AND					Terramycin S.P. capsules, 16	33	4
KUMAR (LONDON), LTD.					100	200	0
Ascum tablets	Each				Tetracyn S.F. capsules 16	33	4
dispensing pack 100	5 6				100	200	0
500	19 3				Viterra capsules 30	5	6

model I camera‡ Dacora Rangefinder Royal, model II camera‡ 250 mgm. 100 250 mgm. 25 439 0

DIVISION,

18 67 48

C. & D. RETAIL AND DISPENSING PRICE LIST The drug index for March was 199

AMPLION, LTD.

Dacora Rangefinder Royal,

The drug files for Was 199								
C	ost	Item	4 oz.	1 oz.	1 dr.			
d.	per	rteni	s. d.	s. d.	s. d.			
138	500 gm.	Buchu	4 6	1 3	0 3			
141	500 gm.	Cera alba in massa	4 6	1 3	0 3			
147	500 gm.	Cera alba in placentis	4 9	1 4	0 3			
14	kilo	Creta pulv10d. lb	0 4	_ 1	_			
21	500 mils	Emuls, chloroformi	0 9	0 3	_			
138	500 mils	Emuls. menth. pip	4 6	1 3	0 3			
34	5 gm.	Ephedrina P1. (8)	per gr.	0 1	4 0			
60	500 mils	Inf. calumbae conc	2 0	0 7	0 1			
111	500 mils	Linct. opii camph. co P1. (13)	3 8	1 0	0 2			
36		Liq. aluminii acet	1 3	0 4	0 1			
48	litre	Lotio calamin. oleos, B.P.C.						
		2s. 9d. 16 fl. oz.	0 10	0 3				
30	gm.	Methadon, hydrochlor, D.D.	per	grain	0 5			
57	25 gm.	Ol. cari	_		1 7			
81	10 gm.	Ol. coriandri		_	4 9			
147	500 gm.	Pasta acid. salicyl. c. dithranol	4 9	1 4	0 3			
129	500 gm.	Pasta resorcin, et sulphuris	4 3	1 2	0 2			
21	25 gm.	Phenolphthaleinum		_	0 7			
84		Tinct. catechu	2 9	0 9	0 2			
112	250 mils	Tinct. opii D.D.	_	2 2	0 4			
111	500 mils	Tinct. zingiberis mit	3 8	1 0	0 2			
93	500 gm.	Zingib, rhiz, Jam,	3 0	0 10	0 2			
117	500 gm.	Zingib. rhiz. Jam. pulv	3 10	1 1	0 2			

The bold letters and figures at left of dispensing price relate to the classification of poisons in THE CHEMIST AND DRUGGIST Poisons Guide.

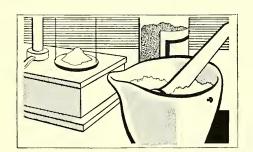
Talking of Tablets

Many and varied are the technical processes which go to make a good tablet.

B.D.H. workers combine art, crafts-manship and considerable 'know-how'. They produce tablets of a quality which justifies the choice—preferably B.D.H.

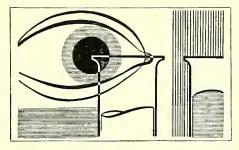
FORMULATION

— perfected as the result of experience, experiment and technical skill to produce the tablet to meet all tests.



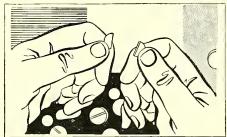
ANALYTICAL CONTROL

— at every stage from raw material to finished product.



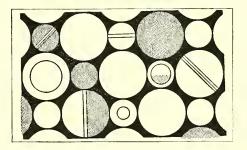
PHYSICAL CHARACTERISTICS

— hardness sufficient to withstand normal handling. Carefully calculated density to ensure easy disintegration not only when made, but after storage. Crisp, clean fracture particularly of scored tablets.



FINISH

— smooth polished surfaces with clean edges and freedom from bits and extraneous dust. Coatings even and unblemished. Colours clean, clear and uniform from batch to batch.



THE BRITISH DRUG HOUSES LTD · LONDON · N

TAB/T/541



THERMOMETERS

CLINICAL - HOUSEHOLD - INDUSTRIAL When ordering Thermometers, insist upon Brannans — made by highly skilled workers at Britain's most modern Thermometer Factory.





TONGUE DEPRESSORS

★ LOWEST PRICES SINCE THE WAR

IMPORTED—PRE-WAR QUALITY Size 6 in. x ½ in. x 2 mm. thick, Danish beech, perfectly finished. Boxed 100's. Minimum order 10,000.

Annual contracts may be spread over a year, entitling buyers to reduced prices, and deliveries as required. Write for details.

APPLICATORS,

First-quality hard-wood applicators, packed in cartons of 6 gross.

Wholesale Houses only supplied.

ASHWOOD TIMBER INDUSTRIES LTD.

Specialists in Veneer and Plywood Products for all Trades.

IBEX HOUSE, MINORIES, LONDON, E.C.3
Tel.: ROYal 2494 Cables: ASHTIM, LONDON

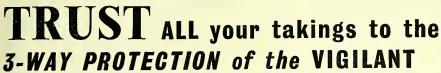
GALLIC ACID

(RESUBLIMED, PURE CRYSTAL AND TECHNICAL)

AND DERIVATIVES

WHOLESALE AND EXPORT ONLY

J. L. ROSE, LIMITED, ABBEY ROAD, BARKING ESSEX



2-TOTAL Model No. 132(7)2 For the Pharmaceutical Trade

(IMMEDIATE DELIVERY)

5 YEARS GUARANTEE * MADE IN DUNDEE

- BOLD, white on black, wide angle INDICATION
 —reading left to right, front and rear.
- AUTOMATIC, PERMANENT RECORD of all transactions: Last 9 items always visible.
- AUTOMATICALLY PRINTED
 CUSTOMERS PURCHASE CHECK

Designed to PROTECT & built to ENDURE

THE NATIONAL CASH REGISTER COMPANY Ltd.

206-216 Marylebone Road, London, N.W.1, and all principal business centres



Eye Appeal..

Is easily applied to YOUR PRODUCTS, with DISTINCTIVE LABELS

from

SUTTLEY & SILVERLOCK

(Branch of Kelly's Directories Ltd.)

ANDOVER

Hants

LABELS · CARTONS · PRINTED STATIONERY



Ribbed Oval..

The new Beatson Ribbed Oval carries on the tradition of the increasingly popular Beatson Medical.

Available in a wide range of sizes, both Cork Mouth and Screw Neck, with either White Enamelled or Black Plastic Caps.

"The Sign of a



Good Bottle"

BEATSON, CLARK & CO., LTD.

ESTABLISHED 1751

Glass Bottle Manufacturers

ROTHERHAM

YORKS

B.C.73

Kwick-dry

(HOUSEHOLD) PAPER TOWELS

For THE MODERN HOUSEWIFE, SUPPLIED IN ROLLS TO RETAIL AT I/IId. each.

THEY SAVE WORK AND KITCHEN DRUDGERY AND ARE STRONGER WHEN WET. Of a soft pleasing crepe texture 'KWICK-DRY' Towels are very absorbent, can be squeezed like a cloth yet do not disintegrate. They serve a multitude of purposes:

FOR DRYING HANDS, DRAINING FRIED FOODS, CLEANING POTS AND PANS.

Attractive Plastic Holders in colours to match modern kitchen Units supplied at 3/6 ea. This NEW habit is catching on! Are you cashing in? Attractive Showcards available on request.

Samples and prices from the Paper Specialists:--



FREEDER BROTHERS PAPER MILLS BRIMSDOWN ENFIELD MIDDLESEX

Telephone: HOWard 1847 (S'lines).

Grams: Sylkocrepe, Enfield

PRICES UNDER £100
H.P. TERMS
DELIVERIES
EX STOCK
MAY WE





THE REGNA
CASH REGISTER COMPANY
(Proprietors:
The Joeli Safe Co. (London) Ltd.)
Telephone: TRAfalgar 3718
York Place, Adelphi, London, W.C.2

REGNA
CASH REGISTER





PRESS BUTTON PACKING & PACKAGING

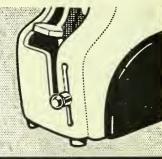




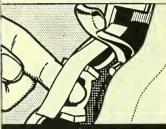
Sturdily constructed for use in Warehouse or on production line. Positive repeat action handles Butterfly Brand (regd.). Cellulose Tape from \(\frac{1}{4}'' \) to \(\frac{1}{2}'' \) wide.

PRICE £7 - 10 - 0

Please send for leaflet 3040 PW or ask for demonstration.



3 LENGTH CONTROL



FINGERTIP APPLICATION

TACKYTAPER for use with BUTTERFLY BRAND.

CELLULOSE TAPE

SAMUEL JONES & CO. LTD NEW BRIDGE STREET, LONDON, E.C.4. CEN. 6500

Never run out of Curicones!

There's always a steady demand for the remedy which thousands of Rheumatic sufferers have found the most reliable of all. Once again its sales this season are showing a healthy growth. Many chemists have found a small counter display pay big dividends.

Why not try the effect of one yourself? Make sure you are carrying ample stocks of the 5/4, 13/4 and 25/6 size.

We still have small supplies left of our novel "weather indicator" showcard. It is most effective and surprisingly accurate. Send us

URICONE

your name and address for one and see the interest it attracts.



AND

P.A.T.A.

STEPHEN MATTHEWS & CO., LTD., 19/21 Farringdon Street, London, E.C.4



THE WORLD'S GREATEST BOOKSHOP



NEW, SECONDHAND AND RARE

BOOKS

Foyles have Departments for Gramophone Records, Stationery, Handicraft Tools and Materials, Music, Magazine Subscriptions.

119-125 CHARING CROSS ROAD, LONDON, W.C.2

Gerrard 5660 (16 lines) * Open 9-6 (Thur. 9-7) Two minutes from Tottenham Court Road Station THE PROPERTY OF THE PROPERTY O

41



- Issues a receipt for every customer
- Counts the number of sales
- Gives a complete record of the days takings
- Metal construction. Fully guaranteed

The outstanding feature of the Petco till is the duplicate receipt issued for every transaction; this ensures that the exact money taken must go into the drawer. In addition, a device which operates each time the drawer is opened, records the total number of sales and indicates if there has been unauthorised access to the till. All you have to do is to record the amount of the sale and press the release bar. Immediately and automatically the cash drawer springs open ... the warning bell rings ... the sales record moves up under the window . . . a receipt is issued for the customer and the counting device

The till that makes mistakes obvious

Price 16 gns.

SEND FOR ILLUSTRATED BROCHURE to the MANUFACTURERS

A.G.S. & PETRONIC LTD.

records the further sale.

BEL WORKS ESTATE, HAMPTON ROAD WEST, HANWORTH, FELTHAM, MIDDX. Tel.: Feltham 4054 IRON IN
AN EASILY
ASSIMILATED
FORM

Ferrous Gluconate

B.P.C.

The new remedy in iron therapy without side effects.

Recommended for tabletting or use in elixirs, etc.

Available for delivery from stock.

A quality

product of

KEMBALL, BISHOP & CO., LTD.

CROWN CHEMICAL WORKS

THREE MILL LANE . BROMLEY-BY-BOW . LONDON . E.3.

Telephone: ADVANCE 1234 (7 lines)

Telegrams: KEMBALL, BOCHURCH, LONDON.

Pattinson's REGISTERED BRAND PRODUCTS

- LIGHT & HEAVY MAGNESIUM CARBONATES B.P.
- © LIGHT & HEAVY MAGNESIUM OXIDES B.P.
- MAGNESIUM OXIDE LEVISSIMA
- MAGNESIUM HYDROXIDE B.P.C.
- MAGNESIUM TRISILICATE B.P.
- CREAM OF MAGNESIA B.P.

Our Research Division welcomes enquiries from any manufacturer with a problem in which any of the above products are concerned. Please write to our Sales Technical Department if you require fuller information. for the

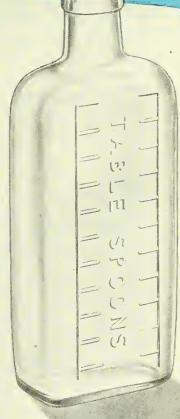
PHARMACEUTICAL

Industry

THE WASHINGTON CHEMICAL CO. LTD.

A member of the turner & NEWALL ORGANISATION WASHINGTON . CO. DURHAM . ENGLAND







DISPENSING BOTTLES
1-oz. to 20-oz.

BOW-FRONT PANELS
1-oz. to 8-oz.

TABLET BOTTLES

Nos. 1 to $7\frac{1}{2}$ sizes.

ROUND SCREW JARS

Tall and Semi-squat.

RIBBED OVALS

 $\frac{1}{2}$ -oz. to 16-oz.

PANELLED FLATS

1-oz. to 4-oz.

OLIVE OIL BOTTLES

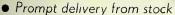
 $2\frac{1}{2}$ -oz., 5-oz. & 10-oz.

VIALS

 $\frac{1}{2}$ -oz. to 3-oz.

WHOLESALE ONLY

Bow-Front Panels now also available in 160z, size.



• Packed in easily handled cartons

NATIONAL GLASS WORKS (YORK) LTD.

FISHERGATE, YORK, Tell YORK 3021.
ALSO AT: 108 HATTON GARDEN, LONDON, E.C.1.
TEL HOLBORN 2146



MARK



leadership in obstetric and gynæcological pharmaceuticals

Aci- el: For restoration and maintenance of normal vaginal acidity. Bland, non-irritating highly buffered acid jelly for topical use in treatment of vaginitis.

Aci-Jel: 85 gm. tube with or without applicator.

Triple Sulfa Cream: For bacterial vaginal infections. Combines three sulphonamides with urea peroxide for more effective control of a wide variety of vaginal pathogens. Relieves symptoms promptly, eliminates malodorous discharge. Triple Sulfa Cream: 80 gm. tube with or without applicator. Dienoestrol Cream: Vaginal oestrogen therapy for senile and atrophic vaginitis and postmenopausal pruritus vulvae. Contains 0.1 mg, of the synthetic oestrogen dienoestrol per gram of cream base.

Dienoestrol Cream: 80 gm. tube with or without applicator. Also available in 28 gm. tubes for general application as prescribed.

Massé Nipple Cream: For prevention and treatment of cracked nipples. Contains the safe, effective antiseptic 9-amino acridine and allantoin. Dainty, aesthetic, emollient and healing. Does not interfere with nursing. Ideal for antepartum nipple conditioning and postpartum nipple care. Massé Cream: 28 gm. tube, individually boxed.

Hexital: For relief of menopausal symptoms. Combines 3 mg, of the synthetic oestrogen hexoestrol with 20 mg, of phenobarbital. Oestrogen effect plus mild sedation provide more complete control of menopausal symptoms.

Hexital: Bottles of 100 and 500 tablets.

Nidoxital: Controls nausea and vomiting of pregnancy with pyridoxine, dl-methionine, nicotinamide, benzocaine, and pentobarbital. Effective relief in 24 to 72 hours in most cases. Nidoxital: Bottles of 12, 20 and 100 capsules.

Rarical: (Ferrous Calcium Citrate Tablets). Provide an improved source of iron and calcium for the anaemic, pregnant, aged or juvenile patient.

Rarical: Bottles of 50, 100 and 1000 tablets.

Nutri-Sal: A Ringer-type/glucose douche designed to promote fertility in selected cases by virtue of its ability to enhance sperm survival and migration.

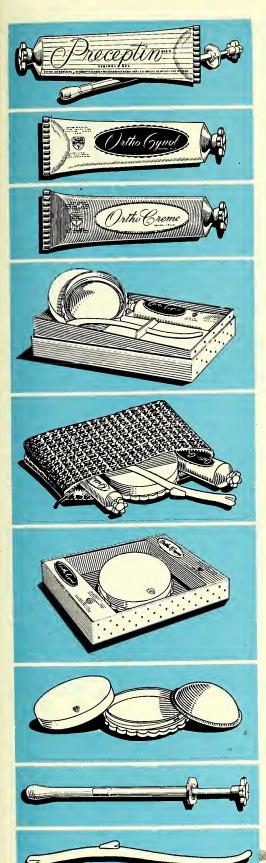
Nutri-Sal: Packages of 3 vials, each sufficient for 1 pint douche solution.



Ortho Pharmaceutical Limited

HIGH WYCOMBE · ENGLAND







Preceptin Vaginal Gel: contraceptive gel for

use without a diaphragm.

Package A: 85 gm. tube, with Ortho Applicator.

Package B: 85 gm. tube.

Ortho-Gynol: contraceptive jelly.

Package A: 85 gm. tube, with Ortho Applicator.

Package B: 85 gm. tube.

Ortho-Creme: contraceptive cream.

Package A: 75 gm. tube, with Ortho Applicator.

Package B: 75 gm. tube.

Ortho-Gynol Set:

85 gm. tube of Ortho-Gynol

Ortho Diaphragm in sizes 55 to 95

Ortho Diaphragm Introducer (in 5 mm. gradations).

Ortho-Creme Set: as Ortho-Gynol Set with tube of Ortho-Creme instead of Ortho-Gynol in sizes 55 to 95 (in 5 mm. gradations).

Ortho De Luxe Kit: containing full size Ortho-Gynol, trial size Ortho-Creme, Ortho Diaphragm and Diaphragm Introducer in woven plastic zipper bag. Sizes 55 to 95 mm. (in 5 mm. gradations).

Ortho Diaphragm Duo-Pack* containing: Ortho Diaphragm in sizes 55 to 95 (in 5 mm. gradations). Trial size Ortho-Gynol.

Trial size Ortho-Creme.

Ortho Diaphragm: coil spring, sizes 55 to 95 (in 5 mm. gradations).

Ortho-White Diaphragm flat spring, sizes 55 to 95 (in 5 mm. gradations). Each Ortho Diaphragm is packed in a permanent and beautiful plastic box.

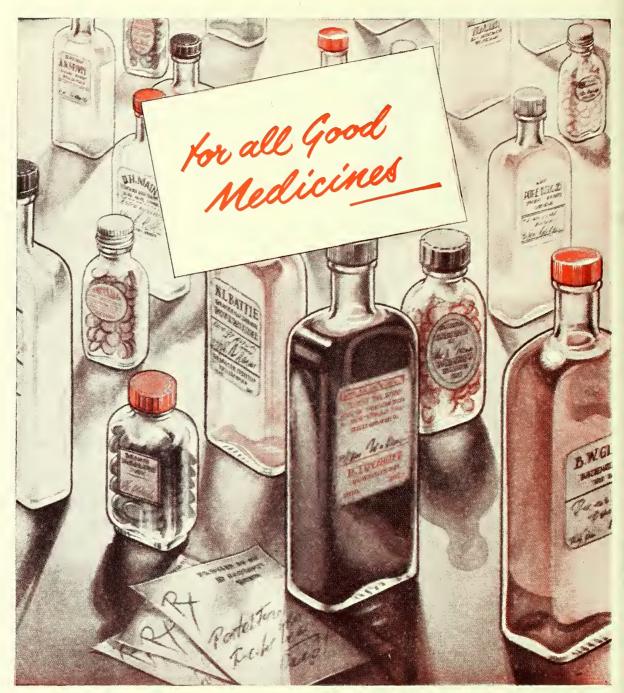
Ortho Applicator: for vaginal application of measured dose (5 cc.) Ortho-Gynol, Ortho-Creme or Preceptin Vaginal Gel.

Ortho Diaphragm Introducer: individual introducers to accommodate diaphragms sizes 55 to 95 (in 5 mm. gradations).



Ortho Pharmaceutical Limited

HIGH WYCOMBE · ENGLAND











UNITED GLASS BOTTLE MANUFACTURERS LIMITED

8 LEICESTER STREET, LONDON, W.C.2

Telephone: GERRARD 8611 (18 Lines)

Telegrams: UNGLABOMAN, LESQUARE, LONDON

Your WHOLE RANGE—One order



The IDEAL Dual Purpose Trimmer

This unique trimmer has two knives—one with straight edge, the other with a deckle edge. They both give a 7 inch cut, accurate to inch. Sturdy construction, but Retail Price 39/10 attractive finish.

The GRUNDIG STENORETTE

This little Dictating machine makes office routine a pleasure, cutting out time wasted on lengthy shorthand transscriptions.

35 gns.

complete with reel and dust cover.



Dictation outfit 6 gns. extra. Transcription outfit 6 gns. extra.

Distributed by

The best Value Ever Offered



LUXETTE

This attractive camera gives 12 exposures $1\frac{1}{2}$ x $1\frac{1}{2}$ inch on standard 127 roll film. Fitted with Roschlein-Kreuznach Cymat f7.7 ACHROMAT Lens, with 3 apertures and 4 shutter speeds. A fool-proof little job.

Synchronised £5.14.6 Non-Synch. £4.18.6

Ever Ready Case with Strap £1.1.6



Simply fill the pliable bottle from the tap, allow to stand for a few minutes, then squirt pure distilled water through the nylon filter in the nozzle.

Two sizes: 8 oz. 4/6. 16 oz. 6/6



WHOLESALERS TO THE **PHOTOGRAPHIC** TRADE



DISEASES
IN CONTROL OF THE PROPERTY OF THE PRO

In order to co-operate effectively in the National Health Service. the pharmacist must be in a position to advise his medical colleagues on the advances in pharmacology. "Diseases and Remedies" has been written to provide the essential background to such advice. This tenth edition has been extended to deal with new treatments of sufficient promise to warrant the belief that they will become established practice.

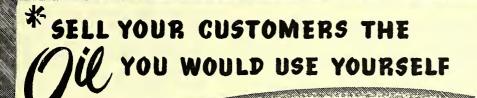
"Diseases and Remedies"

15s. postage 6d. Crown 8vo. 224 pages



28 ESSEX STREET, STRAND, LONDON, W.C.2.

TELEPHONE: CENTRAL 6565



As you will realise, Samaritan Olive Oil comes from the first coldpressings of selected ripeolives. Its golden colour, pleasant odour and bland flavour will attract discerning customers repeatedly.



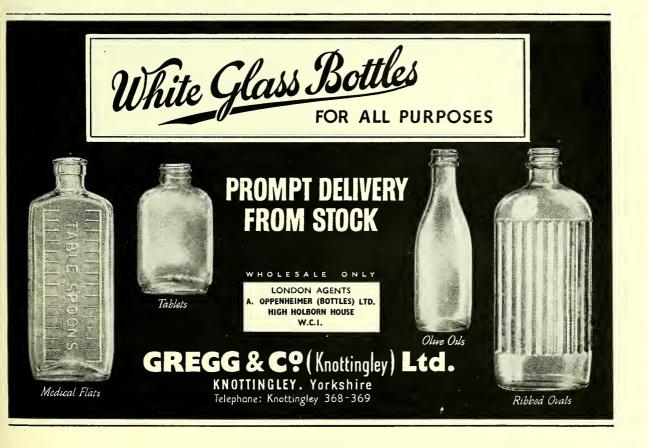
THÔRNTÔN & RÔSS

LIMITED

LINTHWAITE LABORATURIES

ENGLAND

TR183



STANDARD SYNTHETICS LIMITED

Distillers of ESSENTIAL OILS since 1923

Manufacturers of AROMATICS, PERFUME BASES AND FLAVOURS.

We specialise in CINNAMON BARK OIL,

JUNIPER BERRY OIL,

WINTERGREEN OIL,

FRENCH LAVENDER OIL,

TERPENELESS LEMON OIL,

PEPPERMINT OILS, PERFUME

BASES, ETC.

76 GLENTHAM RD., BARNES LONDON - S.W.13

Telephone: RIVerside 3616

Managing Director:
JOHN LESLIE HINDLE, B.Sc.

SOUTH AFRICAN MARKET

Alex. Lipworth Ltd., Whole-sale Pharmaceutical Distributors, offer facilities for the manufacture, packaging and distribution of Patent, Toilet, Proprietary and Ethical preparations throughout the Union of South Africa and the Rhodesias.

Head Office:

120 JEPPE STREET, JOHANNESBURG.

Branches:

CAPE TOWN, DURBAN, BULAWAYO.

"SURGEXA" SURGICAL DRESSINGS in 'Carton' Pack

More Chemists ask for "SURGEXA" CARTON PACK DRESSING

Orders and Enquiries:

CHEMISTS' SUNDRIES (Preston) LTD.

BAMBER BRIDGE . PRESTON . LANCS

Phone: 85403



Are you cashing in on huge SOFTEX sales?



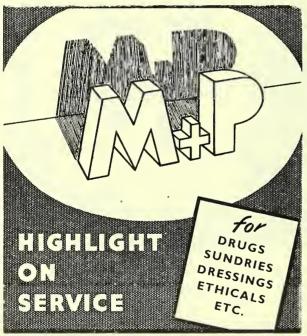
The best value on the market today! Don't miss the big profits in Britain's best-selling Toilet Paper—SOFTEX.

SOFTEX Product of SWAN MILL PAPER CO. LTD. SWANLEY, KENT · Tel. Swanley June. 2386/8 and at 92 REGENT STREET, LONDON, W.1 · Telephone REGent 0422



in the popular interleaved form, also at | | =





MAWSON & PROCTOR PHARMACEUTICALS LTD

LOW FRIAR LANE, NEWCASTLE-ON-TYNE, I

Telephone: 27074 (5lines)

EPHAZONE

TABLETS

Rational, symptomatic treatment in

ASTHMA & BRONCHITIS

Each tablet contains Ephedrine, the important anti-spasmodic for bronchial spasm, Theobromine, for its relaxing effect on the bronchial muscle and for stimulation of the coronary circulation, Phenazone, for its soothing effect on the higher centres, and Calcium gluconate, a readily absorbable calcium salt, for diminishing capillary permeability and checking the secretion of mucus.

These active ingredients with complementary effects in bronchial asthma are presented in the following proportions in the 'EPHAZONE' Tablet:

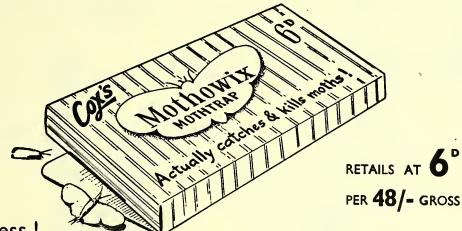
Ephedrine

hydrochloride - - - ½ grain
Theobromine - - - ½ grain
Phenazone - - - 1 grain
Calcium gluconate - - ½ grain

This preparation is sanctioned for prescription under N.H.S.

EPHAZONE LTD. 59 Brook St., London, W.1. Tel: Mayfair 5495

"MOTHOWIX" MOTHTRAP



★ Odourless!

* Actually catches and kills moths!

order with



THE ORIGINAL

D.D.T. FLYCARDS

Cox's 3d.	D.D.T. FLYCARDS (THE ORIGIN	AL)		24/-	PER	GROSS
Cox's 3d.	D.D.T. CHIMPS		•••	24/-	,,	**
Cox's 4d.	D.D.T. PARROTS	•••	•••	32/-	,,	••
Cox's 4d.	D.D.T. ROSE BASKETS	•••	•••	32/-	,,	**
Cox's 6d.	MOTHOWIX MOTHTRAPS	•••		48/-	,.	,,
	LESS 21% MONTHLY ACCO	TALIC		-		

BONUS TERMS—10°/0 ON ORDERS FOR 3 GROSS

THIS OFFER APPLIES TO ORDERS FOR FLYCARDS AND MOTHOWIX IN ANY ASSORTMENT

JAMES COX & CO., D.D.T. WORKS, STH. HARROW, MIDDLESEX. Telephone: BYRON 4326

DISPLAY Stick to a









Now available in unusually attractive display-box. Keep it well to the fore—and see sales soar!

Retail Price 8d. each
S Maw Son and Sons Limited Barnet England

Stick to a Profitable line

- ★ Shiny and attractive to flies, Honeypot flypaper catches them in their hundreds.
- ★ Traps them and holds them fast for good. And D.D.T. reinforcement makes it a hygienic method.
- ★ Guaranteed to remain fresh in store for 3 years!
- ★ Sells in display boxes of 6 dozen and in standard cartons of 6 gross (containing 12 display boxes).

Made and Distributed by

KAY BROTHERS LIMITED

Manufacturing Chemists

Reddish, STOCKPORT



Starting from the 15th April, millions of readers of the RADIO TIMES will be advised by Marguerite Patten to use HANDJOY for removing obstinate vegetable and fruit stains from the hands.

The advertisements will also offer HANDJOY SAMPLES, for which many of your customers will write. Be prepared for a BIG HANDJOY demand—order your stock NOW! Attractive display stand free with every dozen.

From your Wholesaler 13/- per doz. plus P.T. 9/9d. 1.r.p. 2/6d. per jar.

These terms show Retailers a profit of 7/3d. per doz. Handjoy holds the

Good Housekeeping Institute Seal of Guarantee.

G. T. FULFORD CO. LTD (of Canada), HATCH END, MIDDX.

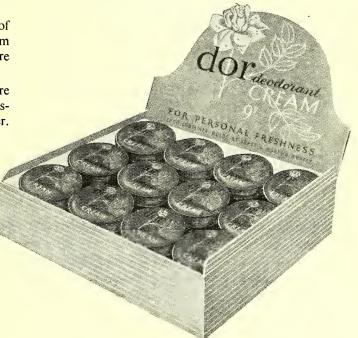
The deodorant cream that is making history

The sales of no other deodorant have risen so quickly. "dor" is the one and only deodorant cream of cosmetic quality that can be bought for 9d., and this low price has been punched home by continuous big-space national advertising.

"dor" has become the stand-by of millions of women, many of whom had never used any deodorant before "dor" came along.

"dor" is known to sell fastest where it is seen most often, so make a display of the charming lilac container.

at 9^D
it sellsfast!



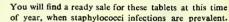
F. W. HAMPSHIRE & CO. LTD., MANUFACTURING CHEMISTS, SUNNYDALE, DERBY

FOR BOILS, PIMPLES AND BLACKHEADS we take



John Bell's

TABLETS



Make sure you are in a position to meet the steady demand for this dependable and reasonably priced preparation. Place the handy eye-appealing display outer where it can be seen on your counter - for now is the season for Tin-Ox Tablets-

SIZE RETAIL PRICE

> Is. 8d. (Inc. Tax) 3s. 7d. (Inc. Tax)

WHOLESALE PRICE

10s. 0d. per doz. (P. Tax 2/6d.) 20s. 3d. per doz. (P Tax 5/02d.)

JOHN BELL, HILLS & LUCAS LTD Oxford Works, Worsley Bridge Road, London, S.E. 26

FOR IMMEDIATE AND FUTURE DELIVERY

FOLIC ACID

B.P./U.S.P.

For Home and Export

McKESSON & ROBBINS LTD.

"UNIVERSAL HOUSE"

Southwark Bridge · London · S.E.I

Telephone: WATerloo 3516/7/8

Now Available-A Modern Version of an Old Favourite

The Art Completely re-written 1953 Price 21/- (pastage 9d) Price 21/- (postage 9d) **Dispensing**

"The Art of Dispensing" is the most economical, complete and up-to-date manual dealing with the pharmacist's work at the dispensing counter. Explained in simple yet concise fashion, this book is a necessary part of the equipment of every dispensary. New ideas have been incorporated and scientific knowledge has been added to the art formerly based on skilful training during apprenticeship and from experience gained in pharmacies of international repute.

Order from your Bookseller or direct from The Publisher;

The CHEMIST AND DRUGGIST

28 ESSEX STREET ' STRAND ' LONDON ' W.C.2

One Shilling & Sevenpence PROFIT on each sale!



RetailPrices 5s. 8d. 22s. 7d.

Incl. P.T.

The New Biochemic Tablet

'NERVONE', CECIL HOUSE, HOLBORN VIADUCT, LONDON



BONUS OFFER

Special Discount on £10.0.0. order

Special Discount on £5.0.0. order

Here's your chance to make 1955 a year for better business, bigger profits than ever before! Secto, a great name in insect killers, offers you these sensational discounts on combined orders for Secto Powders, Liquids, Aerosols, Handsprayers and Flycards. Just see how much you save!

REDUCED PRICES FOR SECTO AEROSOLS

We are happy to announce new prices and special discounts on our popular PRESS BUTTON AEROSOLS. Remember — SECTO PRESS BUTTON AEROSOLS are packed full and are guaranteed to give every satisfaction in use. 5' SPECIAL DISCOUNT ON 3 DOZ.
ANY OR ASSORTED SIZES.

21% SPECIAL DISCOUNT ON 1 DOZ.
ANY OR ASSORTED SIZES.

POPULAR FAST-SELLING SECTO PRODUCTS INCLUDE:-

AEROSOLS:- Press Button. 5/--4 oz., 6/6-6 oz., 10/6-12 oz. (Keep Aerosol orders separate).

9d. small size. 1/- B.H.C. Squeeze Drum. POWDERS :-1/3 D.D.T. with Synergists.

2/3 D.D.T. with Synergists.

ANT POWDER:-1/3 Special Formula in Squeeze Drum. 2/3 Special Formula in Squeeze Drum.

FLYCARDS:- 6d. Packets containing 3 cards.

SLUG KILLER:- 1/6.

BEETLE AND COCKROACH POWDER:-

1/3 in Squeeze Drum.

LIQUIDS :-1/9 - 8 oz. 2/3 - 10 oz. 3/- - 16 oz.

7/---- 40 oz. 19/---- 1 Gall.

LIQUID ANT KILLER:-1/9 — 8 oz.

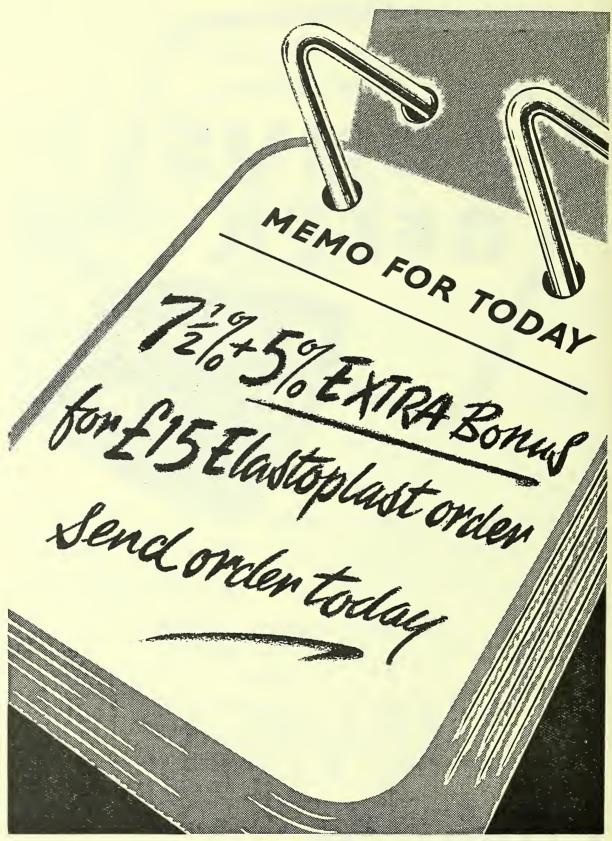
HANDSPRAYERS:- CONTINUOUS ACTION 3/9.

ATTRACTIVE NEW DISPLAY MATERIAL AVAILABLE ON ALL PRODUCTS

Send your order NOW for Bonus Parcels to be delivered by April 30th.

CUPAL Ltd

MANUFACTURING CHEMISTS BLACKBURN



This offer is applicable to Great Britain and Northern Ireland only.

If you have not yet received details write to Smith & Nephew Ltd., Welwyn Garden City, Herts.

Supplement

28 ESSEX STREET, STRAND, LONDON, W.C.2

ORRIDGE COMPANY 8

184 STRAND, W.C.2 Tel.: TEMple Bar 9212/3 & 6340

CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS WHOLESALE AND RETAIL BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF

Irish Representative: Mr. J. A. Bassett, Ph.C., 57 Great Victoria Street, Belfast, Northern Ireland. Tel: Belfast 27078

BUSINESSES FOR DISPOSAL

17/6 for 36 words (min.) then 4d. per word. Box 2/-

CARDIGANSHIRE MARKET TOWN. In excellent position in main street, close to bus stop, banks and main shops. Old-established chemist and pharmacy business with freehold shop and extensive stock room and storage accommodation, Immediate possession, Price for property and goodwill, £4,500 (subject to contract), Apply: Messrs, John Francis & Son, Auctioneers, Carmarthen (Tel.: 465), C 2372 (COMPANY manufacturing well-known soap, ointment, etc., with agreed tax losses of approx, £25,000 for sale, Replies to 8 Queen Anne Street, London, W.1.

WELL-ESTABLISHED small limited company for sale including two valuable Registered Trade Marks, Further details from Orridge & Co., 184 Strand, W.C.2.

C 8310

APPOINTMENTS

18/- per half-inch (min.) and pro rata.
Box 2/-

BOSTON COMBINED HOSPITAL (319 Beds)

Pharmacist

required. Modern department, Nationally nego-tiated conditions and salary, at present £450 x £25 (5)—£575.

Apply, stating age, qualifications, experience (if any) and names of two referees, to the Hospital Secretary, Boston General Hospital, Boston, Lines.

Locum welcomed for interim period, salary £14 14s. per week, C 8287

BOW GROUP HOSPITAI MANAGEMENT COMMITTEE Pharmacist

Pharmacist (part-time: 24 hours per week) required at POPLAR HOSPITAL, East India Dock Road, E,14, Rate of pay 26s, per 4-hour session, Application forms from Group Secretary, 2A Bow Road, E.3, C 8314

KENT AND CANTERBURY
HOSPITAL, CANTERBURY
Deputy Group Pharmacist
Group Pharmacist (Category 4 hospitals), Salary and conditions of service in accordance with Whitley Council Agreements. The Pharmaceutical department is situated at the Kent and Canterbury Hospital, Canterbury, and serves 12 hospitals and clinics in the Group. Applications with full details and copies of three testimonials to be forwarded to the Group Secretary, Central Office, Nunnery Fields Hospital, Canterbury, within ten days of the appearance of this advertisement, C 8304

NORTH MIDDLESEX HOSPITAL,

EDMONTON, N.18

Locum Pharmacist

required June 6-October 1, 1955 (approx.).
Salary £15 15s, per week, Applications, stating age, qualifications, experience, with copes of testimonials and/or names of referees, to the Group Secretary immediately.

C 8284

MANSFIELD HOSPITAL
MANAGEMENT COMMITTEE
Pharmacist
Applications are invited for the post of Pharmacist with the above Management Committee.
The main Pharmaceutical Department in the Group is situated at King's Mill Hospital, Sutton-in-Ashfield, with a subsidiary Pharmacy at the Mansfield and District General Hospital, Salary—£450 by £25 to £575.
National Health Service Whitley Council conditions, Applications stating age, qualifications, together with the names of two referees to be forwarded as soon as possible to the Group Secretary, Mansfield Hospital Management Committee, Crow Hill Drive, Mansfield,

NAPSBURY MENTAL HOSPITAL, nr. ST. ALBANS (over 2,000 beds)

Dispensing Assistant required at the above hospital, The Hospital is pleasantly situated and is only 18 miles from London, There are two other dispensers in the department, Salary according to Whitley Council scale, age 20, £240 p.a., 21, £275 p.a., 22 or over, £335, rising to £435 p.a. Preference will be given to holders of the Certificate of the Society of Apothecaries of London, or equivalent, for which an additional payment of £15 per annum is payable. Single accommodation can be provided at a reasonable charge.

accommodation can be personal able charge.

Written applications with full details of age, experience, qualifications, etc., with names and addresses of two persons to whom reference may be made, to be sent to the Group Secretary.

C 8273

NATIONAL HEALTH SERVICE JOINT PRICING COMMITTEE FOR ENGLAND

FOR ENGLAND

Applications are invited for the superannuable post of Deputy Superintendent at Newcastle No. 1 Pricing Bureau, Commencing salary—£635 per annum rising by annual increments of £25 to £760 per annum. Successful applicants will be required to assist the Superintendent in resolving problems arising in the pricing of National Health Service prescriptions and in controlling a large female staff.
Applications, stating age, qualifications and experience, together with the names of two referees should be sent to the Clerk, Joint Pricing Committee for England, 38 Northumberland Street, Newcastle-upon-Tyne, 1, before May 16, 1955.

C 8311

NORTH WEST DURHAM HOSPITAL MANAGEMENT COMMITTEE. SHOTLEY BRIDGE GENERAL HOSPITAL, co. DURHAM

Locum Tenens Pharmacist (Resident or Non-resident)

Applications are invited for the position of Locum Tenens Pharmacist, Good salary offered which could be discussed at interview, Apply, stating age, qualifications and experience to the Secretary, Shotley Bridge General Hospital, Shotley Bridge, co. Durham. C 8298

NEASDEN HOSPITAL, BRENTFIELD ROAD, N.W.10

Assistant in Dispensing

Whole-time, between ages 17/20, or alternatively part-time. Whitley Council salary scale, Apply to Physician Superintendent. C 8283

ST. PETER'S HOSPITAL, CHERTSEY, SURREY (404 beds)

Pharmacist

required. Salary and conditions of service in accordance with Whitley Scale. Applications stating age, experience, with the names of two referees to the Hospital Secretary. C 8271

THE UNITED BIRMINGHAM HOSPITALS, THE QUEEN ELIZABETH HOSPITAL, **BIRMINGHAM, 15**

Pharmacist

Pharmacist

Applications are invited from pharmacists for a resident post providing a unique introduction to Hospital Pharmacy, Encouragement is given to useful research. Salary in accordance with Whitley Council scales, less a deduction of £120 per annum for full board residence. Applications giving names of two referees, to the Chief Pharmacist. C 8312

SITUATIONS OPEN

8/6 for 36 words (min.) then 3d. per word. Box 2/-

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

RETAIL (HOME)

AN IMPORTANT pharmaceutical organisation, with branches in all areas of London and Suburbs, requires the services of well-educated ladies and gentlemen, ages 17 to 21 years, to train as dispensers in modern up-to-date pharmacies. Good salary paid whilst training, and promotion to highly paid posts at the successful completion of same, Apply, in first instance, giving details of education, etc., to Box C 2355. DONCASTER CO-OPERATIVE CHEMISTS, LTD., require the services of Pharmacists (male or female) as branch managers, Living accommodation with one post, Minimum rate £780 per annum, 44-hour week, Applications and usual particulars to Superintendent Chemist, St. Sepulchre Gate, Doncaster, C 199 ILFORD, Excellent opportunity for energetic mist, St. Sepuichre Gate, Doneaster. C 199 HFORD. Excellent opportunity for energetic Pharmacist to manage busy branch in pleasant area. Well-fitted shop. Adequate assistance. Up-to-date dispensary, Progressive salary with monthly bonus and rota duty payments. Modern flat available near branch, Permanency, Apply with full details stating when available for interview to Box C 2384.

'UNISEC' from the Single Unit to the Complete Pharmacy E FOR YOUR COPY OF THE STANDARD REFERENCE OF PHARMACY FITTING

OLD MYERS of 133/5 & 141/7 OLD STREET, LONDON, E.C.I



Situations Open—Continued

Situations Open—Continued

EXPERIENCED unqualified assistant required, lady or gentleman, mainly for dispensing, some counter work when necessary. Permanent post, Apply with full particulars to E. Vowles, 12 Sadler Street, Wells, Somerset. C 2373 ISLE OF MAN. Two assistants, lady and gentleman, wanted for the season. Capable, energetic, experienced, chiefly for counter duties, State age, height, salary required, with reference. Frank Purcell, Photographic Chemist, Strand Street, Douglas, Isle of Man. C 2370 LADY DISPENSING ASSISTANT required for coastal market town pharmacy, Easy hours, salary according to age and experience, Apply to Allen & Neale (Chemists), Ltd., 55 High St., Kings Lynn, Norfolk, Phone: 2459. C 2363 NORTH KENSINGTON. Applications are in-

St., Kings Lynn, Norlolk. Phone: 2459, C 2363

NORTH KENSINGTON. Applications are invited from experienced pharmacists for the position of Manager, with full responsibilities; the post carries with it the free use of an attractive four-roomed flat, All replies will be treated in strict confidence. Please write initially stating brief details of carcer to date, to Box C 8266. NORTH LONDON SUBURB. Pharmacist required to manage spacious well-fitted branch with substantial counter trade, Good opportunity for ambitious man to earn top salary together with monthly bonus and rota duty payments, Permanency with superannuation benefits, etc. Apply with full details stating when available for interview to Box C 2385.

PART-TIME PHARMACISTS required, N.1. N.16, E.C.1 and Ilford, Some evenings 6-8 and/or Sunday mornings, 8s, per hour, Dispensing duties, Apply Kendale Dispensing Chemists, 51 Exmouth Market, E.C.1, Phone: Terminus 4944.

PHARMACIST, lady or gentleman, required

Terminus 9494. C 8326
PHARMACIST, lady or gentleman, required as Assistant, mainly for dispensing. Hours 9 a.m. to 6 p.m. Adequate supporting staff. Commencing salary £15 per week, Good experience for a young Pharmacist, J. W. Douglas, Ltd., 164 Lambeth Walk, S.E.II. (Within easy distance from Charing Cross.)

PHARMACIST REQUIRED for West End Shop, Must be young and energetic, Small dispensing mainly counter trade, other staff. Good salary and prospects for suitable applicant, Telephone: Temple Bar 3367. C 2375 TEDDINGTON, Excellent opportunity for Pharmacist to manage family type business in pleasant riverside district, Permanency with superannuation benefits, Good salary and commission, Nicely fitted shop with adequate supporting staff, Apply with full details stating when available for interview to Box C 2383.

LOCUMS WANTED

IMMEDIATELY, Locum or permanency, Pharmacist required in middle-class retail and dispensing business in S.W. London, Give details of experience and salary expected, Box C 2381, LOCUM PHARMACISTS REQUIRED for London and Suburban areas, long or short periods, Permanency at conclusion of tour if desired, Salary and expenses basis, Apply to H, Warburton, M.P.S., Chief Pharmacist, London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. Road, Leyton, E.10.

RETAIL (OVERSEAS)

KENYA. British-owned company have vacancy for a pharmacist preferably single, male, re-tail, dispensing, veterinary, etc. Four-year con-tract, salary £1,200 x £50 to £1,350, Passage paid, For further particulars apply Box C 2390.

WHOLESALE

ASSISTANT TO HEAD of proprietaries department, wholesale chemists, Intimate knowledge of present-day ethicals and patent medience necessary and ability to control staff, Progressive post, Bleasdale, Ltd., York, C 8291

ADVERTISING EXECUTIVE

ADVERTISING EXECUTIVE

Parke, Davis & Company, Limited, require a Pharmacist for an interesting and progressive post as a senior executive in their Advertising Department. He will be involved in all aspects of Advertising and Sales Promotion but, in particular, his duties will include the compilation and presentation of Medical Literature from Technical information provided, He should have therefore a distinct flair for writing. Generous pension plan, five-day week, stall restaurant, Write in the first instance giving full particulars of experience and present salary, to Personnel Manager, Parke, Davis & Company, Limited, Staines Road, Hounslow, Middlesex. C 8286

ALLEN & HANBURYS, LTD, have vacancies for representatives in the areas of Newcastle, Wolverhampton and the West Country. castle, Wolverhampton and the West Country. Preference will be given to pharmacists but consideration will be given to those who may have had suitable experience or possess other suitable qualifications. They should also possess a clean driving licence. Apply, in writing, giving details of age, qualifications and experience to Personnel Manager, Allen & Hanburys, Ltd., Bethnal Green, E.2.

AN EXPERIENCED REPRESENTATIVE required for London North and London East by a well-known company selling nationally to chemists and good grocers products supported by national advertising, Substantial basic salary, bonus, exceptional pension, life insurance, and Dependants Benefit Scheme, Car allowance, Full details to Box C 8335.

AN OPPORTUNITY occurs for a young male pharmacist to join the editorial staff of The Chemist and Druggist. The position entails sifting information on all aspects of pharmaceutical affairs and preparing it for publication: a service indispensable to the profession, Experience of the work is not required, but an inquiring mind and some gift for writing are essential. Salary is according to qualifications and experience, Applications should be sent to The Editor, The Chemist and Druggist, 28 Essex Street, London, W.C.2. C 8294

A REPRESENTATIVE with successful selling record (to chemists) required immediately by old-established manufacturing chemists. Several nationally advertised products, Territory, North London, Essex, Middlescx, Herts. Good basic salary, commission, expenses. Car provided. Pension scheme. Fullest details, history to date, in strictest confidence, Apply Box C 8263. ASSISTANT PRODUCTION MANAGER experienced in manufacture of pharmaceuticals (galenicals and tablets) under modern management, required by manufacturing chemists in West London, Pension scheme, excellent salary and prospects for the right man, Apply Personnel Manager, Box C 8322.

APPLICATIONS ARE INVITED for Sales Representative not over 40 years of age, possessing good personality, above-average ability and enthusiasm. The territories in which immediate appointments will be made are: (1) Notts, Leies, Derbys; (2) E, London and Essex; (3) Eastern Counties, Applicants should be car owners and reside within the territory, Connection with retail chemists and eo-ops an advantage. Positions offer excellent opportunities for personal advancement together with generous salary, car allowance and other out-of-pocket expenses, Apply, in confidence, giving full details of age and experience to Sales Manager, Box C 8288.

COST CLERK REQUIRED for Edinburgh manufacturing business, Knowledge of chemical

Box C 8288.

COST CLERK REQUIRED for Edinburgh manufacturing business. Knowledge of chemical trade an advantage, and an aptitude for figures essential. Permanency. Write stating age, experience and salary required to Box 581, Whites, Ltd., 72/78 Fleet Street, London, C 8333

A WELL-KNOWN ethical pharmaceutical house invite applications for the position of medical representative in the Glasgow area. The territory available is an established one. Previous experience is not essential as training is given. Candidates should possess a sound pharmaceutical background, reside on and know the territory well. The position is a progressive one and remuneration is by way of salary, commission and expenses, Applications with full details will be treated with strictest confidence, Box C 8323.

CHEMIST REPRESENTATIVE, Keen young man (unqualified) required by well-known manufacturing chemists to eall on chemists, wholesalers, doctors in South London and whole of the South Coast area, Car owner, Connection handed over with excellent prospects, Remuneration by salary, commission and expenses, Full details of age, previous experience and earnings, etc., to Box C 8317, DEVELOPMENT PHARMACIST. Pizer, Ltd., have a vacancy at their Folkestone factory for a pharmacist to work on the formulation and

DEVELOPMENT PHARMACIST, Pfizer, Ltd., have a vacancy at their Folkestone factory for a pharmacist to work on the formulation and development of ethical pharmaceutical products. Previous experience in this type of work essential. Attractive salary and excellent prospects. Applications giving full details of qualifications and experience to be addressed to the Production Manager, Pfizer, Ltd., Sandgate Road, Folkestone, Kent. Folkestone, Kent. C 2350
EXPERIENCED REPRESENTATIVE required Folkestone, Kent.

EXPERIENCED REPRESENTATIVE required by well-known pharmaceutical house for North and East Ridings of Yorkshire and South Durham. Car provided, Salary, expenses and commission. Pension scheme, Full details in first letter to Home Sales Director, Ayrton, Saunders & Co., Ltd., Hanover Street, Liverpool, I.

C 8334

pool. I. C 8334
EXPERIENCED TABLET MAKER required for progressive company in West Middlesex. Five-day week, canteen, Apply with details of experience to Box C 2389,
FACTORY MANAGER REQUIRED by progressive company in West Middlesex, Applicants must be conversant with all types of tablet manufacture and tablet machines, Five-day week, canteen available, Apply with full details of qualifications and experience to Box C 2388.

C 2388.
FEMALE GRANULATORS required, canteen available, Kingston area, Apply Box C 8315.
GRANULATOR, male, required, canteen available, Kingston area, Apply Box C 8316,
JOHNSON & JOHNSON (Great Britain), LTD., able, Kingston area, Apply Box C 8316.

JOHNSON & JOHNSON (Great Britain), LTD., require a first-class representative to call on retail and wholesale chemists in the North Lancashire area and Westmorland, Preference will be given to those with connections in the area. The appointment is permanent and pensionable, A motor-car is provided, and remuneration is by salary and commission with liberal expenses. Applications, which will be treated in confidence, should give full details of past experience and be addressed to: Pharmaccutical Sales Manager, Johnson & Johnson (Gt, Britain), Ltd., Slough, Bucks, C 8297 JUNIOR AND SENIOR analytical assistants required for control laboratory, Interesting and var.ed work on pharmaceutical products. Fiveday week, canteen, etc. Salary according to experience and ability, Apply to Control Chemist, Bayer Products, Ltd., 15 Central Avenue, West Molesey. Surrey.

MEDICAL REPRESENTATIVE, Owing to expansion, a well-known ethical house wish to appoint a first-class man to take over their established connection in South Yorkshire, Previous experience in this field of work is not essential but candidates must have a good technical background, The position is pensionable and remuneration is by way of salary, commission and expenses, Residence in or near Sheffield is desirable. Write in confidence giving full details of previous experience, etc., to Box C 8322.

PHARNACIST REQUIRED for managing drug

PHARMACIST REQUIRED for managing drug sales department, old-established wholesale house, Lancashire, Five-day week, pension scheme. Applicants should give full details of experience, age, and salary required to Box C 8290.

BAYER PRODUCTS LIMITED

require a young pharmacist (preferably F.P.S.) for an executive position with excellent prospects in their head office at Kingston-on-Thames. The post offers unique openings for a candidate who wishes to make a career in the pharmaceutical industry and will embrace sales, product development and technical correspondence. Every opportunity will be given to the successful candidate. Applications in confidence to the Sales Director, Neville House, Eden Street, Kingston-on-Thames.

C 8248

EXPORT MANAGER

An established and expanding ethical pharmaceutical company of the highest repute has a vacancy for an Export Manager. Applicants should preferably have some experience in overseas marketing of ethicals and be prepared to travel. This is an outstanding opportunity, particularly for a younger man. Replies will be treated in strict confidence and should be addressed to Managing Director, Box C 8319.

COMPANY of national repute marketing leading medicinal preparations requires additional trade representatives (age under 40) in East Anglia, Midlands, South London and West of England. Appointments are salaried, adequate expenses and car provided. Applications with fullest possible details to Box C 8327.

-IMPORTANT-

Box Office numbers are intended exclusively for specific answers to particular advertisements. Price Lists, Trade Circulars, Samples and Printed Matter cannot be forwarded.

Situations Open—Continued

PARKE, DAVIS invite applications from pharmacists up to 35 years of age for an appointment as medical representative in the Sheffield ment as medical representative in the Shelheld area. Previous experience of representation is not necessary, but applicants should have a good pharmaceutical background and a keen interest in ethical pharmacy. Salaries are based on experience and the appointment is both progressive and pensionable, Application forms may be obtained from the Personnel Manager, Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middle-ex, Co. LTD. invite condi-

Hounslow, Middlesex. C 8321

PARKE, DAVIS & CO., LTD., invite applications from pharmacists for a junior executive position in their pharmaceutical manufacturing division. The position entails supervision of groups of process workers and offers an opportunity to gain wide experience in modern large-scale production methods. Good promotion prospects; previous manufacturing experience, while an advantage, is not essential. Five-day week. Staff restaurant, Generous pension plan. Write with full particulars to Personnel Manager, Staines Road, Hounslow, Middle.ex.

C 8285

PRICING CLERKS required by C. J. Hewlett & Son, Ltd., for their new factory at Watford. Experience of the trade essential. Canteen facilities. Five-day week. Apply by letter to C. J. Hewlett & Son, Ltd., King George's Avenue, Watford, Herts, or by telephone to Watford 7761.

Avenue, Watford, Herts, or by telephone to Watford 7761.

PRICING CLERK required. Experienced in drugs and patents, Salary £500 p.a. for right person. Apply Managing Director, Biorex Laboratories, Ltd., 47/51 Exmouth Market, E.C.I. Phone: Terminus 5216, C 8324

PRODUCTION CHEMIST REQUIRED to supervise bulk manufacture of full range of cosmetics at factory in South Wales (Swansea area). The position offers considerable scope in a rapidly expanding business for a young, qualified man, preferably 25 to 35 years of age, with experience of manufacture of lipsticks, powders, creams and lotions, and having a critical eye for colour matching; sound practical knowledge of chemical engineering is desirable. Apply by letter only with details of age, qualifications, experience and salary to Revlon International Corporation, British Branch, Maesteg, Glamorgan.

C 8307

PROCESS WORKER REQUIRED. Apply John Bell, Hills and Lucas, Ltd., manufacturing Chemists, Worsley Bridge Road, Lower Sydenham, S.E.26.

REPRESENTATIVE REQUIRED by whole-sale chemists' sundries house to take over any

Sydenham, S.E.26.

REPRESENTATIVE REQUIRED by wholesale chemists' sundries house to take over an established connection in Manchester and district. Previous experience essential, Car provided or allowance on own car, Apply Heath Bros. & Sons, Ltd., 98/100 Chapel Street, Calford, 3.

C211

REPRESENTATIVE REPRESENTATIVE REQUIRED resident South Wales. Possessing connection retail and wholesale chemists, departmental stores, co-ops, etc., to market the nationally advertised products of two well-known manufactures on a commission basis. All accounts handed over. Excellent prospects, The commission for 1954 exceeded £700. Must be car owner. Write fully, Box C \$818. REQUIRED

REPRESENTATIVES having good connection with retail chemists required to carry additional well-established line on commission basis. All areas, Box C 2368.

ROBERT BLACKIE, LTD., have a vacancy for a representative, preferably a man who has had a pharmacy training to take over an existing connection in London, north of the river, Good remuneration and commission. Resident in or near London, Apply, giving fullest details of age, experience, etc., 25 Pomeroy Street, London, S.E.14. C 8330

ROCHE PRODUCTS, LIMITED, invite applications for posts of medical representatives, A pharmaccutical qualification or equivalent academic achievement desirable but not esential. Usual expenses and salary commensurate with experience. Contributory pension scheme in operation. Please send in confidence, full details of age, experience, etc., to the Secretary, Roche Products, Ltd., 15 Manchester Square, London, W.1.

WELL-KNOWN toilet and industrial soap manufacturers urgently require representative for Home Counties, connection, chemists, stores, industrial, wholesale, etc., handed over. Remuneration by salary, commission and expenses, Car owner essential, Write fully details of experience. Box C 2318,

WELL-KNOWN COSMETIC COMPANY WELL-KNOWN COSMETIC COMPANY requires representative for North London territory, Connection with chemists and departmental stores an advantage, Car essential, Salary £600 per annum plus commission. Car allowance and expenses, Box C 8309.

WILLOWS FRANCIS, LTD., leading manufacturers and suppliers of veterinary products, invite applications for the post of representative to call on the profession throughout Scotland and the six northern counties of England, Residence on the territory essential, experience of professional detailing and Knowledge of veterinary requirements desirable, Remuneration by salary, commission and expenses, Car provided, Apply to Sales Manager, 73/75 Shacklewell Lane, London, E.S., C 8305

WHOLESALE (OVERSEAS)

A LEADING PHARMACEUTICAL HOUSE invites applications from suitably qualified persons to fill an important vacancy on the sales force of their Branch Office in Nairobi, The position will appeal to young single men with sound retail or hospital background. Representative experience in the ethical field will carry some measure of preference. Duties will consist of the promotion of the company's products to the medical profession, hospitals and trade, and will entail short tours within the territories, Full training will be given, Contributory pension scheme. Apply initially in writing giving full details of experience to Box C 8241.

PLANT MANAGER required for extraction plant in East Africa, Applicant should have chemical engineering knowledge and be capable of controlling European and Native labour. Responsible for plant installations and general maintenance. Must be conscientious and undertake control of plant process, Salary from £1,500 upwards according to experience. Home leave, pension and bonus scheme, Write Box "MR/49," c/o 95 Bishopsgate, E.C.2. C 208

SITUATIONS WANTED

3/- for 18 words (min.) then 2d, per word. Box .1/-

RETAIL (HOME)

ENERGETIC YOUNG MAN, aged 25, of British West Afr ca, seeks position as apprentice under chemist and druggist who will finance him during apprenticeship. Applicant responsible for his fare. Write Box C 2382.

WHOLESALE

ADVERTISER REQUIRES senior position where loyalty and hard work are appreciated, Practical experience of advertising and export procedure gained during many years with internationally known company, Box C 2364.

GENTLEMAN, long experience (practical) GENILEMAN, long experience (practical) veterinary, pharmaceutical, medical, seeks position in office preferably dealing with correspondence, or representative or liaison work, Royal Society Arts Certificate (Commerce). Box C 2365.

BOX C 2305, PHARMACIST, 39, very active, good health record, clean driving licence, seeks post as representative, medical, pharmaceutical or photographic, with first-class company where consc entious application will be rewarded with four-figure salary, Other wholesale positions considered, Preference for Hants/Dorset area based on Bournemouth, Box C 2387.

YOUNG MAN (32), smart appearance, Retail pharmacy 7 years, New car owner. Seeks position as representative. Some experience. London and Home Counties, Distance travelling not objected to. Apply Box C 2367.

AGENCIES

17/6 for 36 words (min.) then 4d. per word. Box 2/-

AGENTS for novelty packs of Devon Violet and other perfumes for Devon and Cornwall, also agents in other parts of the country. Ten per cent, commission, Amblins Sales Co., Ltd., Camden Street, Portslade, Sussex. C 2380 AGENTS WANTED. Well-known cosmetic house with vigorous sales and advertising programme wish to appoint sole selling agent for the following countries: Wilts, Somerset, Dorset, Devon and Cornwall, Reply to Sales Manager, Box C 8331.

Manager, Box C 8331.

ESTABLISHED FIRM requires agents in all parts of the country to sell a few first-class C.F. producets, including two summer lines, on generous straight commission basis, State area covered and other lines carried, Apply Box C 2377.

LONDON MANUFACTURING CHEMISTS

require an agent for the Midlands to take over existing connection, Application from estab-lished travellers carrying other lines invited. Particulars of age, experience, etc., to Box

MANUFACTURERS of branded Nylon hair nets, very attractively cellophaned and at very competitive prices require agents for various parts of the U.K. against unusual high commission, Gents with car preferred to carry stock for delivery, Offers under Box C 8313.

Agencies—Continued

REGRETFULLY RECORDING the continued indisposition of their old friend and agent in N. Ireland, Trinity Laboratories, Ltd., invite applications for appointment in his stead as from May 1, 1955. An existing sound connection with wholesale and retail chemists throughout the area is essential, Particulars of age, lines at present carried, frequency of calls, etc., in confidence to Sales Manager, Brook House, Blackburn, C 2379

AGENCIES WANTED

8/6 for 36 words (min.) then 3d. per word.

SPAIN, Ex-auxiliary pharmacology professor and a medical student desire representations of pharmaceutical, chemical, surgical and laboratory materials, Box C 8249
SPAIN. Industrial expert and partner would accept representations of machinery and tools, as well as other materials. Box C 8250,
SUNDRIES WHOLESALER with established connection in South London, Surrey, Kent, requires agencies or representation for good selling chemists' lines, Replies treated in confidence. Box C 2369. dence. Box C 2369.

WANTED

17/6 for 36 words (min.) then 4d. per word. Box 2/-

ALL KINDS OF BOTTLES, JARS, SCREW CAPS, cartons, packaging materials and manufacturers' stocks of all kinds bought at fair price for spot cash, We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks, Discontinued lines, Surplus and Redundant Stocks, Should you have anything for disposal, please send us samples and particulars, Reliance Trading Co., 13 New College Parade, Finchley Road, N.W.3, C 153 SURPLUS STOCKS of corrugated pull-through straw paper boxes with divisions, to hold 12 medical bottles in 3 oz., 4 oz., 6 oz. and 8 oz. sizes. Also to hold 12 or 24 x 1 oz. and 2 oz. ointment jars. Trinity Laboratories, Ltd., Blackburn. C 2378

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellingston Close, Ledbury Road, London, W.11, Tel.: Bayswater 4020, 7692. C 140

MACHINERY WANTED

17/6 for 36 words (min.) then 4d. per word. Box 2/-

FILLING AMPOULE FILLING AND CUTTING MACHINE, automatic required, Apply with full particulars to Box C 8306. AND CULTUNG

STOCKTAKING

17/6 for 36 words (min.) then 4d. per word.

QUIET AND ACCURATE workmanship.
Over 30 years' practical experience. Detailed inventories supplied to suit your individual requirements. Your own stock sheets priced.
Terms moderate. C. W. Playfoot, 8 Aylward Road, London, S.W.20, Phone Liberty 4104.
C 190

BUSINESS OPPORTUNITIES

17/6 for 36 words (min.) then 4d. per word. Box 2/-

A SALE OF A BUSINESS
Owners wishing to sell should avoid any publicity. Business Brokers Ltd, specialise in the Sale of Businesses, having many Purchasers available for those with Nett Profits from £20,000 to £150,000 p.a. Negotiations handled in confidence by:

REGINALD TERRELL BUSINESS BROKERS LIMITED

46 St. James's Place, London, S.W.1. Telephone: Hyde Park 1678.

C 210

MANUFACTURING CHEMISTS invite inquiries for the manufacture, packing, etc., of private formulæ preparations, liquids, powders, tablets. Dispatch facilities available with own printing department, Frank Macowal & Yanatas, Ltd., Willshaw St., London, S.E.14, Tel.: Tideway 3846-8.

MISCELLANEOUS SALES

17/6 for 36 words (min.) then 4d. per word.

COMPLETE SET of shopfittings, All or part, No reasonable offer refused, 1156 Stratford Road, Hall Green, Birmingham, 28, C 2374

GRANDE VINO SPANISH BURGUNDY, vintage 1952, bottles 60/- per dozen, delivered free cartons. The finest value you can offer your customers Samples available on request. Carter & Co. (Wines), Ltd., 51 Dean Lane, Bristol, 3.

MODERN CHEMIST SHOPFITTINGS, drug ranges, wall cases and frameless sliding doors display counters and showcases; all types of window fittings and display stands. D. Matthews & Son, Ltd., Complete Chemist Shop Fitters & Shop Front Builders, 14/16 Manchester Street, Liverpool.

MISCELLANEOUS

HELP! Would the traveller leaving sample pill, black, oval in shape, prior to June last, in Leyton district, please contact advertiser at once, Box C 2362.

SCALES AND WEIGHING MACHINES. Penny-in-the-slot and steelyard types, Dispensing scales. Write for details to Dept, "P," Vandome & Hart, Ltd., Wenlock Road, London, N.1. (Established 1660.) Showrooms, High Street, Kingston-on-Thames. C 207

SHOWCASES, SHOWCASES, SHOWCASES.
Latest designs, All sizes including glass counters, Free delivery, Write for details to (Dept. "P"), Vandome & Hart, Ltd., Wenlock Rd., London, N.I. (Established 1660.) Showrooms, High Street, Kingston-on-Thames. C 196

AN ENCYCLOPÆDIA OF POISONS LAW

CHEMIST AND DRUGGIST POISONS GUIDE

VOLUME 1: POISONS LIST & KEY 20 | - (Postage 6d.) **VOLUME 2:** POISONS PROVISIONS & EXPLANATIONS **40** | - (Postage 6d.)

COMPILED AND CO-ORDINATED BY

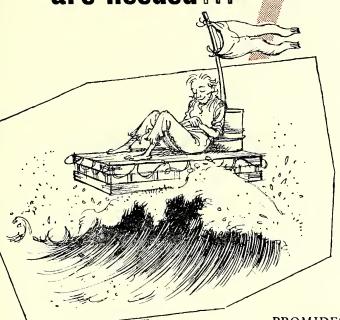
W. A. WHATMOUGH, B.Sc., Ph.C., F.R.I.C.

No pharmacist, in whatever branch he is engaged, can afford to be without these two volumes, which together form a veritable encyclopædia of poisons law. They provide complete information on what the authorised seller of poisons should do in every situation covered by the Poisons Rules and Dangerous Drugs regulations and enable poisons to be supplied without the slightest anxiety. Order these essential volumes NOW!

Order from your Bookseller or direct from The Publisher:

28 ESSEX STREET · STRAND · LONDON

When sedatives are needed...



BROMIDES are used as sedatives, for insomnia and sea-sickness, and in cases of epilepsy. They are also used in the production of photographic materials. Whiffens are renowned for their potassium, sodium, ammonium, calcium bromides and other bromine compounds.

whiffens — suppliers
of fine chemicals
for more than 100 years



The name that quarantees accuracy



- CLINICAL THERMOMETERS
- HOUSEHOLD THERMOMETERS
- INDUSTRIAL THERMOMETERS

G. H. ZEAL LTD

LOMBARD ROAD, MORDEN ROAD, LONDON, S.W.19

Telephone: LIBERTY 2283-4-5-6 & 4201

Cables: "ZEALDOM" LONDON